

Directory of forestry research organizations

FORESTI
PAPE

109



IUFRO
Food
and
Agriculture
Organization
of
the
United
Nations



The designations employed and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries

M-30
ISBN 92-5-103361-7

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior permission of the copyright owner. Applications for such permission, with a statement of the purpose and extent of the reproduction, should be addressed to the Director, Publications Division, Food and Agriculture Organization of the United Nations, Viale delle Terme di Caracalla, 00100 Rome, Italy.

© FAO 1993

PREFACE

This Directory is based on a questionnaire sent to all forestry research organizations in the mailing lists of FAO and IUFRO. The initial responses were compiled into a Draft Directory dated August 1992.

Copies of the Draft Directory were mailed to all the organizations which had responded, with a request for amendments and updated information. In addition, IUFRO country representatives were requested to help in locating research organizations that had been missed. Even so, we are aware that the present Directory is not complete, but two years have already passed since the start of this effort and to delay publication in the hope of locating all organizations will only result in the obsolescence of the information already in hand. We intend to deal with new information by producing new editions from time to time. Those organizations which have been missed are requested to send in details for the next edition, using a copy of the form provided at the back of this publication.

The format of this Directory has been made deliberately simple. Although computers make data-processing easy, data entry remains time-consuming, expensive and error-prone. Also, data that is voluminous tends itself to be the cause of publication-delay and data-obsolescence. We have accordingly opted for the minimum data needed to facilitate contacts between forestry research organizations. This is where the need is greatest. Other kinds of information can be obtained by direct contact, once the communications channels have been established.



J.P. Lanly
Director

Forest Resources Division

CONTENTS

FAO and FORESTRY	1
IUFRO and its Special Programme for Developing Countries	2
Albania	3
Algeria	3
Argentina	3
Armenia	8
Australia	8
Austria	14
Bangladesh	17
Belgium	18
Benin	21
Bhutan	21
Botswana	21
Brazil	22
Brunei Darussalam	27
Bulgaria	27
Burkina Faso	28
Burundi	28
Cameroon	29
Canada	30
Chile	37
China	38
Colombia	44
Costa Rica	46
Cote d'Ivoire	46
Croatia	47
Cyprus	47
Czech Republic	47
Denmark	48
Ecuador	49
Egypt	50
Estonia	50
Ethiopia	50
Fiji	51
Finland	51

France	54
Gabon	58
Germany	59
Ghana	72
Greece	72
Guatemala	73
Honduras	73
Hungary	74
India	74
Indonesia	79
Iran	80
Ireland	81
Israel	81
Italy	81
Japan	89
Kenya	96
Korea, Republic of	96
Laos	97
Latvia	97
Lesotho	97
Lithuania	98
Luxembourg	98
Madagascar	98
Malawi	99
Malaysia	99
Mali	101
Mauritius	101
Mexico	101
Morocco	105
Myanmar	105
Namibia	106
Nepal	106
Netherlands	107
New Caledonia	109
New Zealand	110
Niger	110
Nigeria	111
Norway	112
Pakistan	113
Panama	113

Papua New Guinea	114
Paraguay	114
Peru	114
Philippines	115
Poland	117
Portugal	120
Puerto Rico	122
Romania	122
Russia	123
Rwanda	123
Senegal	124
Slovak Republic	124
Slovenia	125
Solomon Islands	125
South Africa	126
Spain	127
Sri Lanka	129
Sudan	129
Suriname	130
Swaziland	130
Sweden	130
Switzerland	132
Tanzania	133
Thailand	134
Tunisia	136
Turkey	137
Uganda	138
United Kingdom	138
United States of America	144
Uruguay	162
Venezuela	163
Viet Nam	164
Zaire	164
Zambia	164
Zimbabwe	165
Questionnaire	166
List of research areas	167

FAO and FORESTRY

Founded in 1945, the Food and Agriculture Organization of the United Nations (FAO) is assigned four main tasks by its Constitution:

- * to collect, analyse, interpret and disseminate information;
- * to advise governments on technical and policy matters;
- * to provide a neutral forum for international discussion and dialogue;
- * to provide technical assistance at the request of member governments.

The constitution designates forestry as an integral part of overall agricultural development. Today, FAO - through its Forestry Department - is the leading international organization dealing with forestry.

THE FORESTRY DEPARTMENT

The FAO Forestry Department promotes national and international action for the conservation, management and sustainable use of forests, trees and related resources as an integral element of overall socioeconomic development and environmental protection. Currently, the Department has five main objectives:

- * to assist countries enhance the productivity and sustained use of forest and tree resources, with a view to maximizing their contribution to rural and socio-economic development;
- * to promote the conservation of forest ecosystems and the integration of forests and trees into land-use systems;
- * to assist in increasing the value of forest production - both wood and non-wood;
- * to support full participation in and equitable sharing of benefits among all people dependent on forestry activities, particularly the most vulnerable groups;
- * to provide policy and planning advice to national forestry administrations.

These objectives apply equally to work at FAO Headquarters in Rome Italy, and to the forestry field programme with approximately 300 projects in more than 90 countries in the developing world.

**THE INTERNATIONAL UNION OF FORESTRY
RESEARCH ORGANIZATIONS
and its
SPECIAL PROGRAMME FOR DEVELOPING
COUNTRIES**

IUFRO is a non-profit, non-governmental international research organization established in 1892. Its objectives are to promote international cooperation in forestry and forest products research and standardization of research techniques.

IUFRO includes more than 15,000 scientists from over 710 member organizations in more than 110 countries. It serves as a forum for the exchange of knowledge and experiences in forestry research at the national and international levels.

IUFRO has placed increasing emphasis on problems of global concern, for which special units may be created. One of these is the Special Programme for Developing Countries (SPDC).

SPDC was established in 1983 as a special arm of IUFRO. It aims to promote improvement of forestry research in less developed countries through special-purpose activities.

SPDC is an active member of the international programme for assistance in forestry research. As well, it is a strong component of the overall IUFRO programme, fostering the activities of IUFRO while meeting its mandate of research improvement through training programmes, workshops, information services, liaison and collaboration.

SPDC's tasks are to identify priority forestry problems, to increase the ability of forest scientists in less developed countries to conduct quality research, to facilitate information flows to forest scientists, and to assemble funds for a programme of general assistance to forestry research in the developing world.

With evolving world needs, the challenges for the SPDC change. Its aim of promoting improvement of forestry research in less developed countries, however, remains unaltered.

ALBANIA**INSTITUT DES RECHERCHES FORESTIERES ET DES PATURAGES****Tirana**

Tel: 0035-542-33343

Fax: 0035-542-27665

Main research areas: forest management, silviculture, protection**Director:** Parim Carçani**ALGERIA****INSTITUT NATIONAL DE LA RECHERCHE FORESTIERE****B.P. 37 Cheraga Alger****Forêt de Bâmer**

Tel: 797296/798998

Fax: 783211

Telex: 61 407

Number of graduate staff: 080**Establishment date:** 1981**Main research areas:** silviculture and management, wildlife, protection, desertification**Directeur:** Mahieddine Fateh**ARGENTINA****ADMINISTRACION DE PARQUES NACIONALES****Avenida Santa Fe 690****C.P. 1059****Buenos Aires**

Tel: 3118294

Number of graduate staff: 011**Establishment date:** 1934**Main research areas:** afforestation, conservation, inventory, weeds**Head of Research:** Ana Balabusic**CENTRO DE INVESTIGACION DE CELULOSA Y PAPEL (CICELPA)****C.C. 157****1650 San Martín****Buenos Aires**

Tel: 541-7524901/6650058

Fax: 541-3132130

Telex: 21859 INTIAR

Number of graduate staff: 004**Establishment date:** 1967**Main research areas:** pulp and paper, forestry, wood chemistry, environment**Technical Director:** Susana R. Bertolón de Sucatte

CENTRO DE INVESTIGACION TECNOLOGICA DE LA MADERA Y**AFINES (CITEMA)****C.C. 42****1708 Morón****Buenos Aires**

Tel: 541-6653362/6650068

Fax: 541-3132130

Telex: 021 859 INTIAR

Number of graduate staff: 008**Establishment date: 1978****Main research areas: wood technology, wood processing,
eucalyptus****Technical Director: Graciela Inés Ramirez****CENTRO DE INVESTIGACION Y EXTENSION FORESTAL****ANDINO-PATAGONICO (CIEFAP)****C.C. 238****9200 Esquel****Chubut**

Tel: 945-3948

Fax: 945-3948

Telex: 80114 UNPEQ AR

Number of graduate staff: 011**Establishment date: 1990****Main research areas: silviculture and management, wood technology,
harvesting, protection, economics****Director: Juan Andrés Enricci****CENTRO DE INVESTIGACIONES Y EXPERIENCIAS FORESTALES****(CIEF)****Moreno 431****1091 Buenos Aires**

Tel: 054-1-3434930

Fax: 054-1-3312136

Number of graduate staff: 012**Establishment date: 1984****Main research areas: tree improvement, silviculture and
management, wood technology, poplar, willow, pine, eucalyptus
Scientific Director: Wilfredo H. Barrett**

INSTITUTO DE SILVICULTURA Y MANEJO DE BOSQUES (INSIMA)**Avenida Belgrano Sud 1219****4200 Santiago del Estero**

Tel: 5485-221322

Fax: 5485-222595

Telex: 6410 UNSETT AR

Cable: UNSE-INSIMA

Number of graduate staff: 034

Establishment date: 1986

Main research areas: wood technology

Director: José Antonio Lopez

INSTITUTO DE TECNOLOGIA DE LA MADERA (FCF-UNSE)**Avenida Belgrano Sud 1912****4200 Santiago del Estero**

Tel: 5465-221322

Fax: 5465-222595

Telex: 64120 UNSET AR

Number of graduate staff: 010

Establishment date: 1978

Main research areas: wood technology, forest products

Director: Victor Raúl Medina

INSTITUTO FORESTAL NACIONAL (IFONA)**Avenida Pueyrredón 2446****1119 Capital Federal**

Tel: 541-8033146

Fax: 541-8032815

Telex: 21535 DGAAG AR

Number of graduate staff: 042

Establishment date: 1948

Main research areas: tree improvement, silviculture, wood technology, protection, soils

Director: Omar Norberto Tesolin

INSTITUTO NACIONAL DE TECNOLOGIA AGROPECUARIA (INTA)**C.C. 34****3200 Concordia****Entre Ríos**

Tel: 54-45-214027/210361

Fax: 54-45-216722

Telex: 17518 INTA AR

Number of graduate staff: 045

Establishment date: 1956

Main research areas: tree improvement, silviculture and management, ecology

Coordinador Nacional Programa Forestales: Martín A. Marco

UNIVERSIDAD DE BUENOS AIRES, FACULTAD DE CIENCIAS
EXACTAS Y NATURALES, DEPARTAMENTO CIENCIAS
BIOLOGICAS, LAB. ANATOMIA VEGETAL
II Pabellon, 4º piso
1428 Núñez
Buenos Aires

Tel: 054-1-7815020 x.385
Number of graduate staff: 003
Establishment date: 1977
Main research areas: wood technology
Professor: Elena Ancibor

UNIVERSIDAD DE BUENOS AIRES, FACULTAD DE CIENCIAS
EXACTAS Y NATURALES, DEPARTAMENTO DE CIENCIAS
BIOLOGICAS, PRHIDEBC-CONICET
II Pabellon, 4º piso
Ciudad Universitaria (Núñez)
1428 Buenos Aires

Tel: 054-1-7815020 x.202
Number of graduate staff: 005
Establishment date: 1960
Main research areas: pathology
Director del Programa: Jorge E. Wright

UNIVERSIDAD NACIONAL DE CORDOBA, FACULTAD DE CIENCIAS
AGROPECUARIAS
Avenida Valparaiso S/N
C.C. 509
5000 Cordoba

Tel: 5451-602684
Fax: 5451-37841
Telex: 51822 BUCOR AR
Number of graduate staff: 025
Establishment date: 1966
Main research areas: silviculture and management, wood
technology, economics
Decano: Argos Argentino Rodríguez

UNIVERSIDAD NACIONAL DE CUYO, FACULTAD DE CIENCIAS**AGRARIAS, INSTITUTO FORESTAL****C.C. 7****5505 Chacras de Coria****Mendoza****Tel: 5461-960004****Fax: 5461-960469****Telex: 55267 MEDOZ AR****Cable: FCA-UNC-5505****Number of graduate staff: 008****Establishment date: 1969****Main research areas: silviculture, wood technology, agroforestry, biotechnology, desertification, forest products, vegetative propagation, eucalyptus****Director: Rosa Inés Arreguin****UNIVERSIDAD NACIONAL DE LA PATAGONIA, CENTRO DE INVESTIGACIONES FORESTALES****Sarmiento 849****9200 Esquel****Chubut****Tel: 945-2271****Number of graduate staff: 011****Establishment date: 1981****Main research areas: silviculture, wood technology, natural forests, seeds****Director: Ernesto Andenmatten****UNIVERSIDAD NACIONAL DE MISIONES, FACULTAD DE CIENCIAS FORESTALES, INSTITUTO SUBTROPICAL DE INVESTIGACIONES FORESTALES****C.P. 3382****Eldorado, Misiones****Tel: 751-31526****Fax: 751-31766****Number of graduate staff: 017****Establishment date: 1975****Main research areas: agroforestry, biometeorology, entomology, natural forests, nutrition, pathology, seeds, silviculture and management, urban forestry, watersheds, wood technology****Director: Juan M. Kozarik**

UNIVERSIDAD NACIONAL DE SANTIAGO DEL ESTERO, FACULTAD DE**CIENCIAS FORESTALES****Avenida Belgrano Sud 1912****4200 Santiago del Estero**

Tel: 5485-2221322

Fax: 5485-222595

Telex: 64120 UNSET AR

Number of graduate staff: 070**Establishment date: 1958****Main research areas: protection, silviculture, wood technology,
arboreta****Decano: Eduardo Oscar Coronel****UNIVERSIDAD NACIONAL DE SANTIAGO DEL ESTERO, FACULTAD DE****CIENCIAS FORESTALES, INSTITUTO DE CONTROL BIOLOGICA****Avenida Belgrano Sud 1912****4200 Santiago del Estero**

Tel: 5485-221322

Fax: 5485-222595

Telex: 64120 UNSET AR

Number of graduate staff: 007**Establishment date: 1978****Main research areas: natural forests, agroforestry, inventory,
plantations, tree improvement, soils, protection****Director: Liliana Diodato de Medina****UNIVERSIDAD NACIONAL DEL SUR, DEPARTAMENTO DE****AGRONOMIA, CATEDRA DE ARBORICULTURA FORESTAL****San Andrés****Bahía Blanca****Buenos Aires**

Tel: 5491-30024/34775

Fax: 5491-27876

Telex: 81712 DUJOR

Number of graduate staff: 003**Establishment date: 1956****Main research areas: silviculture, agroforestry, soils****Director: Gustavo A. Orioli****ARMENIA****FORESTRY DEPARTMENT, INSTITUTE OF BOTANY****SU-375063 Yerevan**

Tel: 614440/614644

Number of graduate staff: 007**Establishment date: 1963****Main research areas: natural forests, silviculture, hydrology,
history****Head of Forestry Department: K.A. Ter-Gazarian**

AUSTRALIA**APM FORESTS PTY LTD**

P.O. Box 37

Morwell 3840

Tel: 51-343433

Fax: 51-337955

Telex: AA30040

Number of graduate staff: 005

Establishment date: 1950

Main research areas: tree improvement, nutrition, silviculture, weeds, vegetative propagation, biotechnology, mensuration, pulp and paper, economics

Development Manager: John Cameron

APPM FOREST RESEARCH

P.O. Box 63

Ridgley, Tasmania 7321

Tel: 6104-357300

Fax: 6104-357607

Number of graduate staff: 005

Establishment date: 1985

Main research areas: tree improvement, soils, plantations, entomology, vegetative propagation

Research Manager: D. de Little

AUSTRALIAN NATIONAL UNIVERSITY, CENTRE FOR RESOURCE & ENVIRONMENTAL STUDIES

GPO Box 4

Canberra, ACT 2601

Tel: 616-2494277

Fax: 616-2490757

Telex: NATUNI AA2760

Number of graduate staff: 030

Establishment date: 1973

Main research areas: forest policy, economics, biodiversity

Director: H.A. Nix

AUSTRALIAN NATIONAL UNIVERSITY, DEPARTMENT OF FORESTRY

GPO Box 4

Canberra, ACT 2601

Tel: 616-2492579

Fax: 616-2490746

Telex: NATUNI AA2760

Establishment date: 1965

Main research areas: ecology, forest policy, gis, inventory, silviculture and management, soils, tree improvement, wildlife, wood technology, economics

Professor: E. P. Bachelard

BUREAU OF RESOURCE SCIENCES, FORESTS SECTION**John Curtin House****Brisbane Avenue****Canberra, ACT 2601**

Tel: 62-724048

Fax: 62-724896

Number of graduate staff: 005**Establishment date: 1992****Main research areas: inventory, forest policy****Section Manager: J. Fryer****COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH****ORGANIZATION (CSIRO), DIVISION OF FORESTRY****PO Box 4008****Queen Victoria Terrace****Canberra ACT 2600**

Tel: 616-2818211

Fax: 616-2818312

Telex: 62751

Number of graduate staff: 086**Establishment date: 1927****Main research areas: tree improvement, silviculture and management, soils, plantations, genetic resources, nutrition, pathology****Chief of Division: G. A. Kile****COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH****ORGANIZATION (CSIRO), DIVISION OF FORESTRY, PLANTATION****FOREST RESEARCH CENTRE****P.O. Box 946****Mt. Gambier, South Australia 5290**

Tel: 6187-255555

Fax: 6187-231387

Number of graduate staff: 005**Establishment date: 1962****Main research areas: plantations, soils, nutrition, tree improvement****Officer in charge: D. W. Sheriff**

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF FORESTRY, TASMANIAN
RESEARCH CENTRE
Locked Bag N.2, Post Office
Sandy Bay
7005 Tasmania

Tel: 61-02-207900

Fax: 61-02-207901

Number of graduate staff: 012

Establishment date: 1949

Main research areas: silviculture, nutrition, plantations,
vegetative propagation, tree improvement

Officer in Charge: P. West

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF FORESTRY, WA FOREST
RESEARCH GROUP
Private Bag, Post Office
Wembley WA 6014

Tel: 61-09-3870200

Fax: 61-09-3878991

Telex: 92178

Number of graduate staff: 10

Establishment date: 1959

Main research areas: silviculture, nutrition, plantations

Officer in Charge: F. Hingstone

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF PLANT INDUSTRY
GPO Box 1600
Canberra ACT 2601

Tel: 616-2464911

Fax: 616-2465000

Number of graduate staff: 188

Establishment date: 1928

Main research areas: genetic resources, tree improvement,
biotechnology

Chief: W.J. Peacock

COOPERATIVE RESEARCH CENTRE FOR TEMPERATE HARDWOOD
FORESTRY
Locked Bag N. 2, Post Office
Sandy Bay
7005 Tasmania

Tel: 61-02-0207947

Fax: 61-02-207942

Number of graduate staff: 46

Establishment date: 1991

Main research areas: genetic resources, protection, soils

Director: James B. Reid

**DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT, SCIENCE
AND INFORMATION DIVISION****P.O. Box 104****Como, Western Australia 6152**

Tel: 610-9-3868811

Fax: 610-9-3861578

Number of graduate staff: 020**Establishment date: 1985****Main research areas: silviculture, hydrology, pathology, wildlife,
entomology, wood technology****Director: J. A. Armstrong****DEPARTMENT OF PRIMARY INDUSTRIES, FOREST RESEARCH BRANCH****135 Waymouth Street (or) Box 1604 GPO****Adelaide, South Australia 5000**

Tel: 618-2269900

Fax: 618-2269933

Cable: Woodforest Adel

Number of graduate staff: 012**Establishment date: 1876****Main research areas: plantations, mensuration, afforestation****Director: I.B. Millard****FORESTRY COMMISSION OF NSW, RESEARCH DIVISION****P.O. Box 100****Beecroft, NSW 2119**

Tel: 610-2-8720120

Fax: 610-2-8725565

Number of graduate staff: 052**Establishment date: 1937****Main research areas: soils, nutrition, silviculture, entomology,
pathology, ecology, hydrology, forest products****Director Research: John Turner****QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES, FOREST****RESEARCH INSTITUTE****M.S. 483****Gympie, Qld 4570**

Tel: 074-822244

Fax: 074 828755

Number of graduate staff: 025**Establishment date: 1913****Main research areas: silviculture, soils, nutrition, tree improvement,
protection, wildlife, hydrology, agroforestry, vegetative propagation****Director (Acting): J.A. Simpson**

QUEENSLAND FOREST SERVICE, TIMBER RESEARCH AND
EXTENSION BRANCH

PO Box 631

Indooroopilly, Queensland 4068

Tel: 7-8779700

Fax: 7-3712217

Telex: Quefor AA43988

Number of graduate staff: 010

Establishment date: 1923

Main research areas: wood technology, wood processing, wood chemistry

Manager: D.K. Gough

SOUTHERN TREE BREEDING ASSOCIATION

P.O. Box 1811

Mt. Gambier, South Australia 5290

Tel: 87-230688

Fax: 87-230660

Number of graduate staff: 003

Establishment date: 1983

Main research areas: tree improvement

Chief Executive Officer: David Boomsma

UNIVERSITY OF MELBOURNE, FORESTRY SECTION

Parkville, Vic 3052

Tel: 613-3445240

Fax: 613-3444007

Telex: AA 35185

Cable: UNIMELB

Number of graduate staff: 012

Establishment date: 1941

Main research areas: silviculture and management, wood technology, agroforestry, economics, forest policy, remote sensing, physiology, ecology, harvesting, hydrology

Professor: I.S. Ferguson

UNIVERSITY OF NEW ENGLAND, DEPARTMENT OF ECOSYSTEM

MANAGEMENT

Armidale, NSW 2351

Tel: 6167-732539

Fax: 6167-732769

Number of graduate staff: 018

Establishment date: 1972

Main research areas: ecology, wildlife, conservation, biology, land management, environment

Head: J. A. Duggin

UNIVERSITY OF QUEENSLAND, DEPARTMENT OF BOTANY**Brisbane, Queensland 4072****Tel: 07-3652731****Fax: 07-3651699****Telex: UNIVQLD AA40315****Number of graduate staff: 035****Establishment date: 1910****Main research areas: agroforestry, forest health, biometeorology, biology, botany****Head of Department: G.R. Stewart****UNIVERSITY OF TASMANIA, CENTER FOR ENVIRONMENTAL STUDIES****G.P.O. Box 252 C****Hobart, Tasmania 7001****Tel: 6102-202834****Fax: 6102-202989****Telex: AA 58150****Number of graduate staff: 003****Main research areas: fuelwood, ecology, conservation, pests, environment****Coordinator: John Todd****AUSTRIA****FEDERAL FORESTRY RESEARCH INSTITUTE - VIENNA (FBVA)****Seckendorff-Gudent-Weg 8****A 1131 Wien Schönbrunn****Tel: 87838****Fax: 8775907****Number of graduate staff: 076****Establishment date: 1874****Main research areas: silviculture, tree improvement, protection, forest management, inventory, ecology, chemical products, torrent & avalanche control****Director: Friedrich Ruhm****OESTERREICHISCHES HOLZFORSCHUNGSIINSTITUT (OIFI)****Franz Grillstrasse 7****A-1030 Wien****Tel: 00431-79826230****Fax: 00431-798262350****Number of graduate staff: 019****Establishment date: 1948****Main research areas: wood technology, pulp and paper****Director: Georg Kursky**

OSTERREICHISCHES FORSCHUNGSZENTRUM SEIBERSDORF**GES.M.B.H.****Division of Life Sciences****A-2444 Seibersdorf**

Tel: 0043-54-80-0

Fax: 0043-54-80-2118

Telex: 14-353 FZS

Number of graduate staff: 020**Establishment date: 1956****Main research areas: biotechnology, environment****Head, Division of Life Sciences: Hans Kroath****UMWELT DATA GES.M.B.H.****Rudolfplatz 3/9****A-1010 Wien**

Tel: 00431-5356131

Fax: 00431-5356131/9

Number of graduate staff: 003**Establishment date: 1987****Main research areas: remote sensing, forest health, forest management, gis****Manager: Mauser Harald****UNIVERSITAT FUR BODENKULTUR, INSTITUT FUER
FORSTENTOMOLOGIE, FORSTPATHOLOGIE UND FORSTSCHUTZ****Hasenauerstrasse 38****A-1190 Wien**

Tel: 00431-315539/0

Fax: 00431-3105175

Number of graduate staff: 008**Establishment date: 1876****Main research areas: entomology, pathology, protection, forest health, physiology****Director: Erwin Führer****UNIVERSITAT FUR BODENKULTUR, INSTITUT FUER FORSTLICHE
BETRIEBSWIRTSCHAFT UND FORSTWIRTSCHAFTSPOLITIK****Gregor Mendelstrasse 33****A-1180 Wien**

Tel: 00431-47654317

Fax: 00431-3105475

Number of graduate staff: 011**Establishment date: 1872****Main research areas: economics, forest policy, land-use policy, marketing, inventory, non-wood forest products, forest management, operations research****Head of institute: Peter Glueck**

**UNIVERSITAT FUR BODENKULTUR, INSTITUTE FOR FOREST
PRODUCTS**

**Gregor Mendelstrasse 33
A-1180 Wien**

Tel: 00431-47654-0

Number of graduate staff: 004

Establishment date: 1872

Main research areas: forest products

Head of Institute: Helmut Resch

UNIVERSITAT FUR BODENKULTUR, INSTITUTE FOR SILVICULTURE

**Peter Jordanstrasse 70
1190 Wien**

Tel: 00431-47654628

Telex: 00431-3691659

Number of graduate staff: 006

Establishment date: 1872

**Main research areas: silviculture, soils, protection, tree
improvement, nursery**

Head of Institute: Karl Stoszek

**UNIVERSITAT FUR BODENKULTUR, INSTITUTE FOR TORRENT AND
AVALANCHE CONTROL**

**Peter Jordanstrasse 82
A-1190 Wien**

Tel: 00431-4765440/492/498

Fax: 00431-3105177

Number of graduate staff: 004

Establishment date: 1871

**Main research areas: watersheds, afforestation, botany,
environment, gis, hydrology**

Head of Institute: Wolfgang Weinmeister

UNIVERSITAT FUR BODENKULTUR, INSTITUTE OF FOREST

ECOLOGY
**Peter Jordanstrasse 82
A-1190 Wien**

Tel: 00431-47654-528

Fax: 00431-477896

Number of graduate staff: 008

Establishment date: 1874

Main research areas: soils, ecology

Head of Institute: Gerhard Glatzel

**UNIVERSITAT FUR BODENKULTUR, INSTITUTE OF FOREST
ENGINEERING**

**Peter Jordanstrasse 70, 2. Stock
A-1190 Wien**

Tel: 00431-47654-638

Fax: 00431-3691659

Number of graduate staff: 005

Establishment date: 1875

**Main research areas: harvesting, mechanization, engineering,
work safety**

Head of Institute: Anton Trzesniowski

**UNIVERSITAT FUR BODENKULTUR, INSTITUTE OF FOREST GROWTH
AND YIELD**

**Peter Jordanstrasse 70
A-1190 Wien**

Tel: 00431-47654-647

Fax: 00431-3691659

Number of graduate staff: 007

Establishment date: 1963

Main research areas: inventory, mensuration, biometrics

Head of Institute: Hubert Sterba

**UNIVERSITY OF GRAZ, DEPARTMENT FOR CHEMICAL PHYSIOLOGY,
INSTITUTE OF PLANT PHYSIOLOGY**

**Schubertstrasse 51
8010 Graz**

Tel: 0316-3805630

Fax: 0316-386815

Number of graduate staff: 004

Establishment date: 1900

**Main research areas: environment, forest health, physiology,
botany, ecology, pathology**

Professor: Dieter Grill

BANGLADESH

BANGLADESH AGRICULTURAL RESEARCH COUNCIL

**Farm Gate
New Airport Road
Dhaka 1215**

Tel: 880-2-316187

Fax: 880-2-813032 ATTN FORESTRY

Telex: 642401 sher BJ ATTN BARC

Cable: AGRESEARCH

Number of graduate staff: 004

Establishment date: 1973

Main research areas: forest products, forestry

Member-Director (Forestry): S. M. Ruhul Amin

BANGLADESH FOREST RESEARCH INSTITUTE

Sholashahar, P.O. Box 273
Chittagong-4000

Tel: 880-31-212164
Cable: FORESTDALE

Number of graduate staff: 153

Establishment date: 1955

Main research areas: biotechnology, botany, economics, forest products, inventory, non-wood forest products, silviculture, tree improvement, pulp and paper, protection

Director: Mir Mohammad Hassan

INSTITUTE OF FORESTRY

Chittagong University
Chittagong

Tel: 880-31-210131-42

Number of graduate staff: 014

Establishment date: 1979

Main research areas: forest management, forest products

Director: S. M. Sirajul Haque

BELGIUM**CENTRE DE RECHERCHE ET DE PROMOTION FORESTIERES (CRPF),****SECTION ECOLOGIE**

Passage des Déportés, 2
5030 Gembloux

Tel: 3281-622378/622320

Fax: 3281-614544

Telex: 59482 B-FSAGx

Number of graduate staff: 003

Establishment date: 1980

Main research areas: silviculture, natural forests, wood technology, economics, afforestation, ecology, environment
Professeur. J. Rondeux

DEPARTEMENT DE EAUX ET FORETS, FACULTE DES SCIENCES**AGRONOMIQUES DE GEMBLOUX**

Passage des Déportés 2
5030 Gembloux

Tel: 3281-622301/622320

Fax: 3281-614544

Telex: 59482 B-FSAGx

Number of graduate staff: 015

Establishment date: 1897

Main research areas: silviculture, ecology, natural forests, wood technology, economics, inventory; biodiversity, forest management, mapping, mensuration, wildlife

Professeur: J. Rondeux

**INSTITUT AGRICOLE DU HAINAUT, CENTRE AGRONOMIQUE DE
RECHERCHES APPLIQUEES DU HAINAUT A.S.B.L.(CARAH)
rue Paul Pastur 11
7800 ATH**

Tel: 3268-282190

Fax: 3268-285660

Number of graduate staff: 004

Establishment date: 1960

Main research areas: agroforestry, horticulture

Directeur: Van Kininckloo

LISEC, STUDIECENTRUM VOOR ECOLOGIE SBOSBOUW

Craenevenne 140

B-3600 Gent

Tel: 3211-362791

Fax: 3211-355805

Number of graduate staff: 023

Establishment date: 1948

Main research areas: ecology, silviculture and management

Sektiehoofd: B. Meuleman

STATION DE RECHERCHES FORESTIERES

Avenue Maréchal Juin 23

B-5-3- Gembloux

Tel: 3281-611169

Fax: 3281-615727

Telex: 59165 CRAGX

Number of graduate staff: 010

Establishment date: 1920

Main research areas: biology, wood technology, tree improvement, wildlife

Directeur de Station: André Leclercq

UNIVERSITE CATHOLIQUE DE LOUVAIN, UNITE DES EAUX ET FORETS

Place Croix du Sud 2 - Bte 9

1348 Louvain-la Neuve

Tel: 3210-473698

Fax: 3210-473697

Telex: UCL B n° 59037

Number of graduate staff: 012

Establishment date: 1938

Main research areas: silviculture and management, protection, wood technology, ecology

Responsable de l'Unité: Tomas Avella

UNIVERSITY OF ANTWERP, DEPARTMENT OF BIOLOGY,**LABORATORY OF PLANT ECOLOGY****U.I.A.****Universiteitsplain, 1****B-2610 Wilrijk**

Tel: 32-3-8202256

Fax: 32-3-8202271

Number of graduate staff: 007**Establishment date: 1974****Main research areas: physiology, tree improvement, environment, agriculture, ecology, poplar****Professor: I. Impens****UNIVERSITY OF GENT, LABORATORY OF REMOTE SENSING AND
FOREST MANAGEMENT****Coupage 653****B9000 Gent**

Tel: 32-91-646108

Fax: 32-91-646240

Telex: 12754 RUGENT b

Number of graduate staff: 006**Establishment date: 1984****Main research areas: conservation, desertification, forest management, forestry, gis, inventory, mensuration, remote sensing, silviculture and management****Director: Roland Goosens****UNIVERSITY OF GHENT, LABORATORY OF FORESTRY****Geraardsbergse steenweg, 267****9090 Melle-Gontrode**

Tel: 3291-522113

Fax: 3291-525466

Telex: 12754 RUGENT B

Number of graduate staff: 010**Establishment date: 1922****Main research areas: silviculture, ecology, forest policy, afforestation, environment****Professeur-Directeur: Lust Noël**

BENIN

UNITE RECHERCHES FORESTIERES

B.P. 06-707

Cotonou

Tel: 229-330662

Fax: 229-330421/300736

Number of graduate staff: 005

Establishment date: 1978

Main research areas: silviculture and management, agroforestry, wood technology, agroforestry, genetic resources

Directeur: Zénabou Yessoufou Yacoubo

BHUTAN

DEPARTMENT OF FORESTRY, RESEARCH DIVISION

Taba

Thimpu

Number of graduate staff: 003

Establishment date: 1987

Main research areas: silviculture and management, afforestation

Head of research: Lungten Norbu

BOTSWANA

FORESTRY ASSOCIATION OF BOTSWANA (FAB)

P.O. Box 2088

Gaborone

Tel: 267-351660

Fax: 267-300316

Number of graduate staff: 005

Establishment date: 1983

Main research areas: silviculture, agroforestry, social forestry, conservation

Research Manager: K. P. Walker

BRAZIL**AMAZONIA NATIONAL RESEARCH INSTITUTE (INPA), DEPT. OF
TROPICAL SILVICULTURE (CPST)****CP 478****69.011 Manaus, Amazonas**

Tel: 6423300

Fax: 6423440

Telex: 0922269

Number of graduate staff: 017**Establishment date: 1962****Main research areas: silviculture, forest management, seeds,
soils, environment****Coordinator: Noeli Paulo Fernande****AMAZONIA NATIONAL RESEARCH INSTITUTE (INPA), FOREST
PRODUCTS RESEARCH CENTER (CPPF)**

Tel: 92-2369611

Fax: 92-6421706

Telex: 92-2269

Number of graduate staff: 043**Establishment date: 1953****Main research areas: forest products****Secretary of Science and Technology: Eneas Salati****BRAZILIAN INSTITUTE OF ENVIRONMENT AND RENEWABLE
NATURAL RESOURCE (IBAMA), FOREST PRODUCTS
LABORATORY****SAIN Av. L4 Norte - lote 04 - CEP: 70.770****Caixa Postal 04424 - CEP: 70.919****Brasilia, DF**

Tel: 61-2251182

Fax: 61-2245206

Telex: 61-2120/1711

Number of graduate staff: 028**Establishment date. 1973****Main research areas: wood processing, wood technology, wood
chemistry, product development****Chief, Forest Products Laboratory. Marcus Vinicius da Silva Alves**

CENTRO NACIONAL PESQUISA DE FLORESTAS (CNPF), EMBRAPA

Estrada da Ribeira, km 111

Caixa Postal 319

83405-970 Colombo, PR

Tel: 041-3591313

Fax: 041-3592276

Telex: 041-30120

Number of graduate staff: 045

Establishment date: 1984

Main research areas: tree improvement, genetic resources, forest management, ecology, protection, silviculture and management

Chief: Vitor Afonso Hoefflich

CHAMPION PAPEL E CELULOSE LTDA.

Rodovia SP 340 km 171

13840 Mogi Guacu, SP

Tel: 192-618121

Fax: 192-611098

Telex: 191016

Number of graduate staff: 005

Establishment date: 1960

Main research areas: harvesting, forest management, afforestation, biotechnology, genetic resources, nursery, seeds, tree improvement, vegetative propagation

Natural Resource Director: Manoel de Freitas

COMPANHIA AGRICOLA E FLORESTAL SANTA BARBARA

Brasil Avenida 709

Belo Horizonte, MG 30.140

Tel: 2016322

Fax: 2227790

Telex: 3394

Number of graduate staff: 006

Establishment date: 1958

Main research areas: forestry, wood technology

Manager of Research: Paulo Renato de Oliveira Macedo

DURAFLORA S/A

Rua Osvaldo Cruz, 535 - conj. B

Barrio Ponte Sao Joao

13 200 Jundiai, SP

Tel: 55011-4373311

Fax: 55011-7315510

Telex: 011-70205

Number of graduate staff. 012

Establishment date: 1971

Main research areas: tree improvement, biotechnology, biometrics, mechanization, nutrition, forest management, environment

General Manager Development of Technology: Norival Nicolielo

DURAFLORA S/A

Fazenda Monte Alegre
P.O. Box 50
Agudos, São Paulo

Tel: 142-621233
Fax: 142-621593
Telex: 1170226 DURA BR

Number of graduate staff: 014

Establishment date: 1951

Main research areas: tree improvement, biotechnology, soils, environment, mechanization

Chief of Research: Norival Nicolieiro

FLORESTAS RIO DOCE S/A

Rua São Paulo, 351 - 62 andar
30.170 - Belo Horizonte, MG

Tel: 31-2714295
Fax: 31-2010316

Number of graduate staff: 012

Establishment date: 1967

Main research areas: tree improvement, soils, agroforestry, environment

Programming Department: Tito Flávio da Silva

INSTITUTE OF FORESTRY RESEARCH AND STUDIES (IPEF)

Av. Padua Dias 11
Caixa Postal 530
13400-970 Piracicaba, SP

Tel: 0194-336155
Fax: 0194-336081
Telex: 197881

Number of graduate staff: 007

Establishment date: 1968

Main research areas: tree improvement, agroforestry, environment, biotechnology, biometrics, forest management, mechanization, wood technology, nutrition, soils, seeds

Scientific Director: Luiz E. G. Barrichelo

IPT S.A., DIVISION OF FOREST PRODUCTS, TEXTILES & LEATHER
(DPFTC)

P.O. Box 7141

05508 Sao Paulo, SP

Tel: 5511-0682211 x.515

Fax: 5511-8693353

Telex: 1180934

Cable: TECHNINST

Number of graduate staff: 030

Establishment date: 1899

Main research areas: pulp and paper, wood technology, wood processing

Technical Director: Tiberio Cescon

KLABIN DO PARANA AGRO-FLORESTAL S.A., CENTRO DE PESQUISA
FLORESTAL

Fazenda Monte Alegre - LAGOA

84.265 Harmonia - Telemaco Borba, PR

Tel: 422-722502

Fax: 422-722427

Telex: 11-37835 Klabin BR

Number of graduate staff: 006

Establishment date: 1984

Main research areas: plantations, tree improvement, inventory, soils, nutrition, natural forests, wood technology

Research Manager: Paulo Kikuti

NATIONAL RESEARCH INSTITUTE OF THE AMAZON, PULP AND
CHARCOAL DIVISION

Alameda Cosme Ferreira, 1756

BP 478

69.083 Manaus, Amazonas

Tel: 922-369400-R-130

Telex: 922209 INPA BR

Number of graduate staff: 004

Establishment date: 1968

Main research areas: pulp and paper, charcoal, wood chemistry

Chief of Research: Antonio de Azevedo Correa

RESEARCH CENTRE OF ARACRUZ, ARACRUZ FLORESTAL S/A**(CEPAR)****Rua Professor Lobo 1128****Aracruz, ES 29190****Tel: 5527-2561566 x.4194****Fax: 5527-2561881****Telex: 273241 BR****Number of graduate staff: 006****Establishment date: 1972****Main research areas: biotechnology, tree improvement, soils, nutrition****Forestry Research Manager: Yara Kiemi Ikemori****UNESP, FACULDADE DE CIENCIAS AGRONOMICAS, CURSO DE
ENGENHARIA FLORESTAL****Fazenda Experimental Lageado****Caixa Postal 237****18600 Botucatu, SP****Tel: 149-223883****Telex: 0142107****Number of graduate staff: 102****Establishment date: 1965****Main research areas: forestry, agriculture****Director: Flavio Abranches Pinheiro****UNIVERSITY OF BRASILIA, DEPARTMENT OF FORESTRY****Caixa Postal 15.2877****70.919 Brasilia, DF****Tel: 61-2736026****Fax: 61-2721053****Telex: 2710****Number of graduate staff: 021****Establishment date: 1976****Main research areas: inventory, ecology, wood technology****Professor: Jose Imana****UNIVERSITY OF SAO PAULO, COLLEGE OF AGRICULTURE,****DEPARTMENT OF FOREST SCIENCES****Av. Padua Dias 11****13400 Piracicaba, SP****Tel: 0194-334124/330011****Fax: 0194-336081****Telex: 19.7881 IPEF BR or 191141 BR****Number of graduate staff: 021****Establishment date: 1962****Main research areas: wildlife, physiology, ecology, inventory, biometrics, afforestation, soils, nutrition, economics, pulp and paper****Head of Department: Luiz Ernesto George Barrichelo**

BRUNEI DARUSSALAM

**MINISTRY OF INDUSTRY & PRIMARY RESOURCES, DEPARTMENT OF FORESTRY, BRUNEI FORESTRY CENTRE
Bandar Seri Begawan 2067**

Tel: 673-2-222450/222687

Fax: 673-2-241012

Telex: CONTEL BU 228

Number of graduate staff: 009

Establishment date: 1986

Main research areas: silviculture, ecology, inventory, plantations

Director of Forestry: Morni bin Othman

BULGARIA**FOREST RESEARCH INSTITUTE**

132 Kliment Ohridski Blv.

1756 Sofia

Tel: 622961

Number of graduate staff: 070

Establishment date: 1928

Main research areas: forestry, forest products

Director: Alexander H. Alexandrov

HIGHER INSTITUTE OF FORESTRY AND WOOD TECHNOLOGY

10 Kliment Ochridski Blv.

1156 Sofia

Tel: 682830

Fax: 680335

Number of graduate staff: 160

Establishment date: 1925

Rector: Andrey Raychev

RESEARCH STATION FOR FAST GROWING FOREST SPECIES

18 Str. Nove

5250 Svisthov

Tel: 631-22243

Fax: 23546

Number of graduate staff: 007

Establishment date: 1958

Main research areas: tree improvement, protection, poplar, forestry, economics

Directeur: Tzanco Tz

BURKINA FASO**CENTRE NATIONAL DE SEMENCES FORESTIERES (CNSF)****01 BP 2682****Ouagadougou 01****Tel: 226-300857/301233****Fax: 226-301232****Telex: 5345 BF****Number of graduate staff: 018****Establishment date: 1983****Main research areas: tree improvement, vegetative propagation, seeds, protection, nursery, pathology, entomology, economics, physiology, symbiotic associations****Director: Laurent Magloire Some****INSTITUT DE RECHERCHE EN BIOLOGIE ET ECOLOGIE TROPICAL (IRBET)****B.P. 7047****Ouagadougou****Tel: 226-307207/334098****Number of graduate staff: 023****Establishment date: 1987****Main research areas: agroforestry, tree improvement, hydrology, entomology, ecology, wood technology, environment, botany, forestry, arboreta, forest products****Director: Jean-Marie Ouadba****BURUNDI****INSTITUTE DES SCIENCES AGRONOMIQUES DU BURUNDI (ISABU), PROGRAMME RECHERCHE POUR LA PROTECTION DE L'ENVIRONNEMENT****B.P. 795****Bujumbura****Tel: 223390****Fax: 225798****Number of graduate staff: 009****Establishment date: 1978****Main research areas: silviculture, agroforestry, watersheds****Responsable de la Recherche: Hervé Duchaufou**

CAMEROON

CENTRE UNIVERSITAIRE DE DSCHANG

B.P. 96

Dschang

Tel: 451267

Telex: 7013 KN

Cable: CUDS - DSCHANG

Number of graduate staff: 015

Establishment date: 1979

Main research areas: silviculture, economics, wood technology,
hydrology, tree improvement, forest productsChef de Division de la Recherche et Appui au Développement: Dr.
Lyonga

INSTITUT DE LA RECHERCHE AGRONOMIQUE

B.P. 2123

Yaoundé

Tel: 237-232644, 233538

Fax: 237-223022

Telex: 1740 KN

Number of graduate staff: 219

Establishment date: 1980

Main research areas: agriculture, genetic resources

Directeur: Jacob Ayuk-Takem

UNIVERSITE DE YAOUNDE I, FACULTE DE SCIENCES

B.P. 812

Yaoundé

Tel: 237-220955

Fax: 237-235388

Telex: 8384 KN

Number of graduate staff: 005

Establishment date: 1962

Main research areas: ecology, botany, afforestation, non-wood forest
products, nursery

Dean: Robert Roux

CANADA**ALBERTA FOREST SERVICE, PROGRAM SUPPORT BRANCH**

**9920-108 Street
10th Floor Bramalea Building
Edmonton
Alberta T5K 2M4**

Tel: 403-4273549

Fax: 403-4270292

Telex: 0373676

Number of graduate staff: 007

Establishment date: 1930

Main research areas: tree improvement, protection, wildlife, forest management, silviculture, mensuration, biotechnology, wood chemistry

Division Research Coordinator: Ted Szabo

ALBERTA RESEARCH COUNCIL, FOREST PRODUCTS PROGRAM

**P.O. Box 8330
Edmonton
Alberta T6H 5X2**

Tel: 403-4505419

Fax: 403-4505397

Number of graduate staff: 006

Establishment date: 1921

Main research areas: forest products, pulp and paper, wildlife

President: Brian Barge

BRITISH COLUMBIA, MINISTRY OF FORESTS, RESEARCH BRANCH

**31 Bastion Square
Victoria
British Columbia V8W 3E7**

Tel: 604-3876720

Fax: 604-3870046

Number of graduate staff: 085

Establishment date: 1929

Main research areas: biodiversity, environment, nursery, physiology, seeds, silviculture and management, soils, tree improvement, watersheds

Director: Ted E. Baker

FOREST ENGINEERING RESEARCH INSTITUTE OF CANADA (FERIC)

143 Place Frontenac
Pointe-Claire
Quebec H9R 4Z7

Tel: 514-6941140
Fax: 514-6944351

Number of graduate staff: 048

Establishment date: 1975

Main research areas: engineering, forest management, harvesting, operations research, work safety, environment, forestry, mechanization, silviculture and management

President and Chief Executive officer: Pierre Y. Bourdages

FORESTRY CANADA, FOREST PEST MANAGEMENT INSTITUTE

P.O. Box 490
Sault Ste Marie
Ontario P6A 5M7

Tel: 705-9499461
Fax: 705-7595700

Number of graduate staff: 040

Establishment date: 1977

Main research areas: protection

Director General: E.S. Kondo

FORESTRY CANADA, MARITIMES REGION

P.O. Box 4000
Fredericton
New Brunswick E3B 5P7

Tel: 506-4523500
Fax: 506-4523140

Number of graduate staff: 036

Main research areas: biometeorology, tree improvement, protection, forest management, environment

Regional Director General: H. Oldham

FORESTRY CANADA, NEWFOUNDLAND AND LABRADOR REGION

Bdg. 304, Pleasantville
P.O. Box 6028
St John's
Newfoundland A1C 5X8

Tel: 709-7726019
Fax: 709-7722576

Number of graduate staff: 018

Establishment date: 1950

Main research areas: environment, protection, economics, forestry

Regional Director General: J. A. Munro

FORESTRY CANADA, NORTHWEST REGION

5320-122 Street

Edmonton

Alberta T6H 3S5

Tel: 403-4357210

Fax: 403-4357359

Number of graduate staff: 055

Establishment date: 1970

Main research areas: protection, inventory, GIS, environment, economics, forest policy, entomology, hydrology, fire, inventory

Regional Director General: A. D. (Dave) Kill

FORESTRY CANADA, ONTARIO REGION

P.O. Box 490

Sault Ste. Marie

Ontario P6A 5M7

Tel: 705-9499461

Fax: 705-7595700

Number of graduate staff: 050

Establishment date: 1944

Main research areas: forest management, protection, environment, forest products

Regional Director General: C. H. Winget

FORESTRY CANADA, PACIFIC AND YUKON REGION

506 West Burnside Road

Victoria

British Columbia V8Z 1M5

Tel: 604-3630600

Fax: 604-3630775

Number of graduate staff: 096

Establishment date: 1965

Main research areas: silviculture and management, economics, remote sensing, protection

Regional Director General: T. J. Drew

FORESTRY CANADA, PETAWAWA NATIONAL FORESTRY INSTITUTE

P.O. Box 2000

Chalk River

Ontario K0J 1J0

Tel: 613-5892880

Fax: 613-5892275

Number of graduate staff: 060

Establishment date: 1918

Main research areas: forest management, biotechnology, fire, remote sensing, tree improvement, genetic resources, GIS, inventory, seeds, silviculture and management

Director General: A. B. Case

FORESTRY CANADA, QUEBEC REGION

1055 rue du P.E.P.S.

P.O. Box 3800

Sainte-Foy

Quebec G1V 4C7

Tel: 418-6487032

Fax: 418-6485849

Number of graduate staff: 035

Establishment date: 1958

Main research areas: biotechnology, entomology, genetic resources, pathology, physiology, remote sensing, silviculture and management, tree improvement

Research Director: Michel Boudoux

FORESTRY CANADA, SCIENCE AND SUSTAINABLE DEVELOPMENT

351 St. Joseph Blvd

Hull

Quebec K1A 1G5

Tel: 613-9971107

Fax: 613-9903437

Number of graduate staff: 037

Main research areas: environment, forest health, marketing

Director General: F. C. Pollett

FORINTEK CANADA CORP

2665 East Mall

Vancouver

British Columbia V6T 1W5

Tel: 604-2243221

Fax: 604-2225690

Number of graduate staff: 065

Establishment date: 1979

Main research areas: forest products, wood technology

President and Chief Executive Officer: Ian de la Roche

LAKEHEAD UNIVERSITY, SCHOOL OF FORESTRY

Thunder Bay

Ontario P7B 5E1

Tel: 807-348117

Fax: 807-3438116

Telex: 073-4594

Number of graduate staff: 030

Establishment date: 1949

Main research areas: silviculture, forest management, pathology, forest policy, GIS, entomology, wood technology, conservation, mensuration, wildlife

Director: John K. Naysmith

**MINISTERE DES FORETS DU QUEBEC, DIRECTION DE LA
RECHERCHE**
2700, rue Einstein
Sainte-Foy
Québec G1P 3W8

Tel: 418-6437994
Fax: 418-6432165
Telex: 051-31589 SDBCS-QBC

Number of graduate staff: 075

Establishment date: 1967

Main research areas: tree improvement, afforestation, ecology, natural forests, protection, forestry, nursery, soils, remote sensing, silviculture

Director: Yvon Martin

ONTARIO MINISTRY OF ENVIRONMENT, PHYTOTOXICOLOGY

SECTION

125 Resources Rd

Weston

Ontario M9P 3T1

Tel: 416-2356250
. Fax: 416-2356235

Number of graduate staff: 006

Establishment date: 1968

Main research areas: forest health, agriculture, environment

Section Manager: Ron G. Pearson

**UNIVERSITE DU QUEBEC A TROIS-RIVIERES, CENTRE DE
RECHERCHE EN PATE ET PAPIERS**

3351 boul. des Forges

Trois-Rivières

Québec G9A 5H7

Tel: 819-3765075
Fax: 819-3765148

Number of graduate staff: 020

Establishment date: 1970

Main research areas: pulp and paper

Director: H.C. Lavallée

UNIVERSITE DU QUEBEC, CENTRE MULTIREGIONAL DE**RECHERCHE EN FORESTERIE****531, boulevard des Prairies****CP 100 Laval****Québec H7N 4Z3**

Tel: 514-6875010

Fax: 514-6865501

Number of graduate staff: 042**Establishment date: 1985****Main research areas: pulp and paper, ecology, protection, forest management****Directeur: Gilles Frisque****UNIVERSITE LAVAL, FACULTE DE FORESTERIE ET DE GEOMATIQUE****Cité Universitaire, Sainte-Foy****Québec G1K 7P4**

Tel: 418-6563053

Fax: 418-6563177

Number of graduate staff: 043**Establishment date: 1910****Main research areas: silviculture and management, entomology, forest policy, biotechnology, genetic resources, gis, wood technology, hydrology, pathology, remote sensing****Vice-doyen à la recherche: Pierre Gagnon****UNIVERSITY OF ALBERTA, FACULTY OF AGRICULTURE & FORESTRY,****DEPARTMENT OF FOREST SCIENCE****8-55 General Services Building****Edmonton****Alberta T6G 2H1**

Tel: 403-4924413

Fax: 403-4924323

Number of graduate staff: 050**Establishment date: 1920****Main research areas: forest management, genetic resources, land-use policy, ecology, silviculture, wildlife, watersheds, social forestry, biometrics, biodiversity****Chair of Office of Research Services: Bruce Dancik****UNIVERSITY OF BRITISH COLUMBIA, FACULTY OF FORESTRY****270-2357 Main Mall****Vancouver****British Columbia V6T 1Z4**

Tel: 604-822-2727

Fax: 604-822-8645

Number of graduate staff: 050**Establishment date: 1915****Main research areas: forest management, forestry, wood technology, forestry****Dean: Clark S. Binkley**

**UNIVERSITY OF BRITISH COLUMBIA, FACULTY OF FORESTRY,
CENTRE FOR APPLIED CONSERVATION OF BIOLOGY
2357 Main Mall
Vancouver
British Columbia V6T 1Z4**

Tel: 604-8225724
Fax: 604-8229102

Number of graduate staff: 008

**Main research areas: biodiversity, conservation, ecology,
environment, genetic resources, GIS, land-use policy, natural
forests, silviculture and management, wildlife**

Director: F. L. Bunnel

UNIVERSITY OF NEW BRUNSWICK, FACULTY OF FORESTRY

Bag Service #44555

Fredericton

New Brunswick E3B 6C2

Tel: 506-4534501
Fax: 506-4533538

Number of graduate staff: 033

Establishment date: 1908

Main research areas: engineering, forestry

Dean of Forestry: I. R. Methven

UNIVERSITY OF NEW BRUNSWICK, WOOD SCIENCE & TECHNOLOGY

CENTRE

RR10, Hugh John Flemming Forestry Centre

Fredericton

New Brunswick E3B 6H6

Tel: 506-4534507
Fax: 506-4533574

Number of graduate staff: 006

Establishment date: 1988

Main research areas: wood technology, product development

Director: Ian Smith

UNIVERSITY OF TORONTO, FACULTY OF FORESTRY

33 Willcocks St.

Toronto

Ontario M5S 3B3

Tel: 416-9785480
Fax: 416-9783834

Number of graduate staff: 020

Establishment date: 1907

**Main research areas: physiology, tree improvement, nutrition,
pests, forest management, wood technology**

Assistant Dean, Research: David C.F. Fayle

CHILE**BIOFOREST**

**Edificio Prales, Of.410
Casilla 347
Valdivia**

**Tel: 56-063-213801/212780
Fax: 56-063-215474**

Number of graduate staff: 013

Main research areas: genetic resources, pathology, pests

Director: Eduardo R. Treskow

CORPORACION NACIONAL FORESTAL

**Avenida Bulnes 285, Of. 501
Santiago de Chile**

**Tel: 56-2-6991257/6966677
Fax: 5602-6715881
Telex: 240001 CONAF CL**

Number of graduate staff: 060

Establishment date: 1972

**Main research areas: natural forests, protection, wildlife,
nursery, forest health, land-use policy**

Director Ejecutivo: Juan Moyac

INSTITUTO FORESTAL

**Huerfanos 554
Santiago de Chile**

**Tel: 56-2-6396189/6397911
Fax: 56-2-63812186**

Number of graduate staff: 040

Establishment date: 1965

**Main research areas: silviculture, forest products, inventory,
marketing, environment, forest management**

Director Ejecutivo: Tómas Balaguer Q.

UNIVERSIDAD AUSTRAL DE CHILE, FACULTAD DE CIENCIAS

**FORESTALES
Casilla 853
Valdivia**

**Tel: 63-213911 x.1227
Fax: 63-212953**

Number of graduate staff: 030

Establishment date: 1954

**Main research areas: silviculture, economics, wood technology
Prodecano: Juan Schiatter**

**UNIVERSIDAD DE CHILE, FACULTAD DE CIENCIAS AGRARIAS Y
FORESTALES, ESCUELA DE CIENCIAS FORESTALES**

Casilla 9206

Santiago de Chile

Tel: 5587042

Fax: 56-2-5587635

Number of graduate staff: 037

Establishment date: 1952

Main research areas: silviculture and management, wood technology

Director: Jorge Gilchrist Moreno

**UNIVERSIDAD DE CONCEPCION, FACULTAD DE INGENIERIA,
LABORATORIO DE PRODUCTOS FORESTALES**

Casilla 53-C, Correo 3

Concepcion

Tel: 56-041-234985 x.2137/2762

Telex: 260004 TEJCO CL

Number of graduate staff: 045

Establishment date: 1960

Main research areas: wood chemistry, wood technology, wood processing

Chief of Laboratory: Claudio Zaror

UNIVERSIDAD DE TALCA, ESCUELA DE INGENIERIA FORESTAL

Casilla 721

Talca

Tel: 56-071-226371/227224

Fax: 56-071-226371

Number of graduate staff: 021

Establishment date: 1982

Main research areas: silviculture and management, wood technology

Director: Norman Smith Vivallo

CHINA

ACADEMIA SINICA, INSTITUTE OF DESERT RESEARCH

174 Donggang West Road

Lanzhou

Tel: 26725

Telex: 72149 ICERO CN

Cable: 3097 Lanzhou

Number of graduate staff: 238

Establishment date: 1978

Main research areas: afforestation, social forestry, desertification

Director-General: Zhu Zhenda

ANHUI PROVINCE FOREST, BIOLOGICAL CONTROL CENTRE**Shu Shan Rd. 132****Hefei city 230031****Tel: 333725/335795****Number of graduate staff: 033****Main research areas: entomology****Director: Zhou Jian Sheuug****CHINESE ACADEMY OF FORESTRY, CENTRE OF EVALUATING****EFFECTS ON ENVIRONMENTS****Wan Shou Shan****Beijing 100091****Number of graduate staff: 019****Establishment date: 1985****Main research areas: environment****Director: Li Huixian****CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF****CHEMICAL PROCESSING AND UTILIZATION OF FOREST****PRODUCTS****Shao Shan Road****Nanjing, Jiangsu Province****Number of graduate staff: 261****Establishment date: 1960****Director: Zhang Zhonghe****CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF****FOREST RESOURCE INFORMATION TECHNIQUES****Wan Shou Shan****Beijing, 100091****Number of graduate staff: 064****Establishment date: 1984****Main research areas: remote sensing, forest management****Director: Xu Guanhua****CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF****FOREST RESOURCE INSECTS****Jingdong****Yunnan Province****Number of graduate staff: 039****Establishment date: 1962****Main research areas: entomology****Director: Hou Kaiwei**

CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF**FORESTRY****Wan Shou Shan****Beijing**

Tel: 2582211-614

Fax: 2582317

Cable: 0161

Number of graduate staff: 239**Establishment date: 1953****Main research areas: tree improvement, protection,
biotechnology, botany, seeds, silviculture****Director: Wang Shiji****CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF****FORESTRY ECONOMICS****Building 17, Sheng Gu Nan Li****Beijing 100029**

Tel: 4210476

Cable: 6085

Number of graduate staff: 042**Establishment date: 1960****Main research areas: forest management, economics, forest
policy****Director: Jin Xi-Zhu****CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF****SCIENTIFIC AND TECHNOLOGICAL INFORMATION****Wan Shou Shan****Beijing 100091**

Tel: 2582211 x. 725

Fax: 861-2582317

Cable: 0161

Number of graduate staff: 100**Establishment date: 1958****Main research areas: forestry, social forestry, forest policy****Director: Hou Yuanzhao****CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF****TROPICAL FORESTRY****Long Dong****Guangzhou 510520**

Tel: 705646

Cable: Guangzhou 4163

Number of graduate staff: 071**Establishment date: 1962****Main research areas: ecology, fuelwood, silviculture, tree
improvement, agroforestry, biotechnology, conservation****Director: Bai Jiayu**

CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF**WOOD INDUSTRY**

Wan Shou Shan

Beijing 100091

Tel: 2582211 x.412

Fax: 2581937

Cable: Beijing 0161

Number of graduate staff: 167

Establishment date: 1957

Main research areas: wood technology, wood processing, product development, wood chemistry, forest products, engineering, operations research, biotechnology, marketing, mechanization

Director: He Naizhang

CHINESE ACADEMY OF FORESTRY, SUBTROPICAL FORESTRY**RESEARCH INSTITUTE**

Fuyang

Zhejiang

Tel: 23994

Cable: 0120

Number of graduate staff: 090

Establishment date: 1964

Main research areas: silviculture, tree improvement, protection, soils, physiology, botany, landscape architecture

Director: Chen Yitai

CHINESE ACADEMY OF SCIENCES, INSTITUTE OF APPLIED**ECOLOGY**

P.O. Box 417

Shenyang

Tel: 8624-383401

Fax: 8624-391320

Telex: 80095 IMRAS CN

Cable: SHENYANG 0960

Number of graduate staff: 598

Establishment date: 1954

Main research areas: afforestation, ecology, natural forests, botany, plantations

Director Prof. Shen Shanmin

FORESTRY RESEARCH INSTITUTE OF GUANGXI ZHUANG**AUTONOMOUS REGION****23 Yong Wu Road****530001 Nanning****Guangxi**

Tel: 0771-21593

Cable: 1199

Number of graduate staff: 112**Establishment date: 1956****Main research areas: silviculture, physiology, ecology, protection, forest products, arboreta, mechanization, chemical products, eucalyptus, non-wood forest products, physiology****Director: Yi Shijia****RESEARCH INSTITUTE OF FOREST SCIENCE OF SHAANXI****PROVINCE****Yongling Station****Shaanxi Province**

Tel: 92972351

Fax: 92972509

Telex: 5810

Cable: 712100

Number of graduate staff: 126**Establishment date: 1958****Main research areas: protection, forest health, tree improvement, silviculture and management****Chief of Research: Fu Yuqin****SHANGHAI WOOD INDUSTRY RESEARCH INSTITUTE (SWIRI)****667 Zhongshan Road (West)****Shanghai 200051**

Tel: 2412200/2412266

Fax: 021-2412266

Cable: 0523 Shanghai

Number of graduate staff: 056**Establishment date: 1978****Main research areas: wood technology, wood processing, product development, wood chemistry, mechanization, forest products****Director: Ma Xin**

SICHUAN RESEARCH INSTITUTE OF FORESTRY**344 Jinhua Street****Chengdu****Sichuan 610081****Tel: 28-336877****Cable: 7897 Chengdu****Number of graduate staff: 212****Establishment date: 1958****Main research areas: silviculture, tree improvement, botany, ecology, protection, wood processing, engineering****Director: He Zhongmin****TAIWAN PROVINCE OF CHINA****NATIONAL CHIAYI INSTITUTE OF AGRICULTURE, DEPARTMENT OF FORESTRY****84 Hon-Mao Bei****Lu-Liao Li****Chiayi****Tel: (5) 2775630****Number of graduate staff: 030****Establishment date: 1919****Department Head: Yiren Wang****NATIONAL TAIWAN UNIVERSITY, DEPARTMENT OF FORESTRY, THE CHINESE FORESTRY ASSOCIATION****Tel: 3629736****Number of graduate staff: 500****Establishment date: 1967****Main research areas: forestry****Director: Pao-chang Kuo****NATIONAL TAIWAN UNIVERSITY, THE EXPERIMENTAL FOREST****No. 12 Chien-Shan Rd.****Chu-Shan****Nan-Tou Hsien****Tel: 88649-642181****Fax: 88649-641184****Number of graduate staff: 075****Establishment date: 1949****Main research areas: silviculture and management, tree improvement, afforestation, arboreta, forest management, forest policy, forest products, forestry, gis, nursery****Director: Nathan Gung-Nai Yao**

TAIWAN FORESTRY RESEARCH INSTITUTE**53 Nan-Hai Road****Taipei****Taiwan 100**

Tel: (8862) 3817107

Fax: (8862) 3142234

Number of graduate staff: 097**Establishment date: 1895****Main research areas: biology, silviculture and management, economics, protection, watersheds, forest products****Director: Jenq-Chuan Yang****COLOMBIA****CORPORACION AUTONOMA REGIONAL DEL CAUCA (CVC)****Carrera 56 # 11-36****Cali****Valle**

Tel: 3966671

Fax: 304080, 393431

Telex: 55700 CVC CO

Number of graduate staff: 002**Establishment date: 1955****Main research areas: silviculture, agroforestry, symbiotic associations, watersheds****Jefe Programa Fomento Forestal: Francisco Castaño Nieto****CORPORACION NACIONAL DE INVESTIGACION Y FOMENTO FORESTAL (CONIF)****Carrera 50 N. 27-70****Modulo 1 Nivel 5****Apartado Aereo 091676****Santafé de Bogotá**

Tel: 57-1-2213473

Fax: 57-1-218624

Number of graduate staff: 011**Establishment date: 1974****Main research areas: silviculture, agroforestry, plantations,****Director: Gonzalo de las Salas**

INSTITUTO NACIONAL DE LOS RECURSOS NATURALES**RENOVABLES Y DEL AMBIENTE (INDERENA)****Apartado Aéreo 13458****Santa Fé de Bogotá, D.C.**

Tel: 91-2433776

Fax: 2833458/2868643

Telex: 44428 INDE.CO

Number of graduate staff: 100**Establishment date: 1969****Main research areas: afforestation, conservation, ecology, environment, forest management, forest policy, forest statistics, inventory, natural forests, plantations****Director: Manuel Rodriguez Becerra****REFORESTADORA SAN SEBASTIAN RESS S.A.****Apartado Aéreo 869****Calle 15 26A-40 Soledad (Atlántico)****Barranquilla**

Tel: 422583

Fax: 422464

Telex: 33315

Cable: RESS

Number of graduate staff: 002**Establishment date: 1980****Main research areas: tree improvement, soils, silviculture, plantations****Jefe de Departamento Técnico: Iván Esquivel Di Filippo****SMURFIT CARTON DE COLOMBIA****Apartado Aéreo 6574****Cali**

Tel: 5723-694062

Fax: 5723-694073

Number of graduate staff: 009**Establishment date: 1947****Main research areas: silviculture and management, wood technology, vegetative propagation, pulp and paper****Gerente, Investigación Forestal: J.A. Wright****UNIVERSIDAD NACIONAL DE COLOMBIA, SECCIONAL DE MEDILLIN,
DEPARTAMENTO DE CIENCIAS FORESTALES****Autopista Norte Cra 64****Calle 65, Apartado Aéreo 568****Medellin**

Tel: 2307079/2300120

Number of graduate staff: 020**Establishment date: 1951****Main research areas: silviculture and management, protection, afforestation, forest policy, watersheds****Director: Luis Alberto Blandón Montes**

COSTA RICA**CENTRO DE INVESTIGACION EN INTEGRACION BOSQUE INDUSTRIA**

(CIIBI)

Apartado 159

7050 Cartago

Tel: 506-515333

Fax: 506-515348

Telex: 8013 ITCCR

Establishment date: 1991

Main research areas: protection, silviculture and management, biometrics, operations research, seeds, genetic resources, wood processing, wood technology, product development, natural forests

Coordinator: Olman Murillo Gamboa

UNIVERSIDAD NACIONAL, ESCUELA DE CIENCIAS AMBIENTALES

Apartado 86.3000 Heredia

Tel: 506-376363 x.2291

Fax: 506-377036

Telex: 7550 UNAVI CR

Number of graduate staff: 040

Establishment date: 1973

Main research areas: forestry, ecology, biodiversity, genetic resources

Coordinador de Investigación: María del Rosario Alfano

COTE D'IVOIRE**INSTITUT DES FORETS, DEPARTEMENT FORESTERIE**

08 BP 33

Abidjan 08

Tel: 225-442858/442859

Fax: 225-226985

Telex: 22167

Number of graduate staff: 022

Establishment date: 1962

Main research areas: forestry, agroforestry, biometrics, forest management, genetic resources, entomology, silviculture and management, tree improvement, environment, energy, seeds

Directeur: Balle Pity

CROATIA**FOREST RESEARCH INSTITUTE JASTREBARSKO****Cvjetno Naselje 41****41420 Jastrebarsko****Tel: 3841-831022****Telex: 3841-831493****Number of graduate staff: 035****Establishment date: 1945****Main research areas: forestry****Director: Joso Gracan****UNIVERSITY OF ZAGREB, FACULTY OF FORESTRY****P.O. Box 178****41000 Zagreb****Tel: 3841-218288****Fax: 3841-218616****Number of graduate staff: 096****Establishment date: 1860****Main research areas: forestry, wood technology****Dean: Sime Mestrovic****CYPRUS****MINISTRY OF AGRICULTURE AND NATURAL RESOURCES,****FORESTRY DEPARTMENT, RESEARCH DIVISION****Nicosia****Tel: 2-304335****Fax: 2-451419****Telex: 4660****Number of graduate staff: 003****Establishment date: 1954****Main research areas: seeds, vegetative propagation, tree improvement, silviculture****Head of Research: Marcos Daniel****CZECH REPUBLIC****FOREST AND GAME MANAGEMENT RESEARCH INSTITUTE****Jiloviste - Strnady****156 04 Praha 516****Tel: 0042-2-591612-7****Fax: 0042-2-591413****Number of graduate staff: 104****Establishment date: 1921****Main research areas: forest policy, ecology, nursery, protection, wildlife, genetic resources, biotechnology, seeds, silviculture and management, tree improvement, physiology, poplar****Director: Karel Vancura**

UNIVERSITY OF AGRICULTURE, BRNO, FACULTY OF FORESTRY

Zemedelska 3
61300 Brno

Tel: 425-5164
Fax: 425-676737
Telex: 62489

Number of graduate staff: 100

Establishment date: 1919

Main research areas: vegetative propagation, ecology, economics, harvesting, wildlife, forest health, wood processing, wood technology, silviculture and management

Dean: Frantisek Dousek

DENMARK**DANIDA FOREST SEED CENTRE**

Krogerupvej 3A
3050 Humlebaeck

Tel: 4542-190500
Fax: 4542-160258
Telex: 16600 FOTEX DK
Cable: FORESTSEED

Number of graduate staff: 010

Establishment date: 1969

Main research areas: seeds, tree improvement, genetic resources

Director: Bjarne Ditlevsen

DANISH FOREST AND LANDSCAPE RESEARCH INSTITUTE

Skovbrynet 16
DK-2800 Lyngby

Tel: 4545-931200
Fax: 4545-934849

Number of graduate staff: 040

Establishment date: 1901

Main research areas: forestry, mechanization, silviculture and management, protection, tree improvement, conservation, soils, land-use policy, ecology, landscape architecture

Director: Niels Elers Koch

DANISH LAND DEVELOPMENT SERVICE

Klostergaarden 12
P.O. Box 110
DK-8800 Viborg

Tel: 4586-676111
Fax: 4586-675101
Telex: 66228 DANLA DK

Number of graduate staff: 004

Main research areas: nutrition, tree improvement

Head of Forestry Research: Jan Thorn Clausen

THE ROYAL VETERINARY AND AGRICULTURAL UNIVERSITY,
INSTITUTE OF BOTANY, DENDROLOGY AND FOREST GENETICS,
ARBORETUM
Kirkegaardsvej 3a
DK 2970 Hørsholm
Tel: 4542-860641
Fax: 4542-860774
Number of graduate staff: 008
Establishment date: 1936
Main research areas: botany, ecology, tree improvement
Director: Søren Ödum

UNIT OF FORESTRY

Thorvaldsensvej 57
DK 1871 Frederiksberg C
Tel: 45-31357833
Number of graduate staff: 022
Main research areas: silviculture and management, economics,
ecology, forest policy, forest products, wood technology
Dean: P. O. Olesen

ECUADOR

CORPORACION DE DESARROLLO PARA EL SECTOR FORESTAL Y
MADERERO DEL ECUADOR (CORMADERA)
Via Quito - Puembo, Km 22
P.O. Box 17-210152
Puembo
Tel: 5932-390296/390298
Fax: 5932-439559
Number of graduate staff: 012
Establishment date: 1988
Main research areas: biotechnology, silviculture, forest products,
wood technology, economics, product development
Presidente Ejecutivo: Alberto Robalino F.

EMPRESA DE DESARROLLO FORESTAL C.E.M. (EMDEFOR)
La Argentino 3858
P.O. BOX 363
Tel: 5932-962430/963068
Number of graduate staff: 007
Establishment date: 1980
Main research areas: plantations, nursery
Jefe del Vivero: Arturo Vilo

EGYPT**ALEXANDRIA UNIVERSITY, FACULTY OF AGRICULTURE, FORESTY & WOOD TECHNOLOGY DEPARTMENT****Afalon str., el Shatby****Alexandria**

Tel: 5971960

Fax: 5972780

Telex: 54467 UNIVY UN

Number of graduate staff: 011**Establishment date: 1952****Main research areas: plantations, environment, agroforestry, desertification, product development, energy****Director: T.A.Omran****ESTONIA****ESTONIAN INSTITUTE OF FOREST RESEARCH AND NATURE****PROTECTION****EE2400 Tartu****Rõõmu tee 2**

Tel: 01434-36381/36375

Number of graduate staff: 030**Establishment date: 1969****Main research areas: forest management, soils, ecology, conservation, silviculture, tree improvement, forestry, protection, inventory, wildlife****Director: Kalle Karoles****ETHIOPIA****FORESTRY RESEARCH CENTRE****P.O. Box 30708****Addis Ababa**

Tel: 251-1-182982

Fax: 613329

Telex: 21216 FAOA ET

Number of graduate staff: 014**Establishment date: 1975****Main research areas: silviculture, agroforestry, forest management, economics****Head of Research: Aklog Laike**

WOOD UTILIZATION AND RESEARCH CENTRE (WUAR)**P.O. Box 2322****Addis Ababa**

Tel: 00251-1-164638/167250

Number of graduate staff: 007

Establishment date: 1978

Main research areas: wood technology, wood processing

Head of Research: Melaku Abegaz

FIJI**FORESTRY DEPARTMENT, SILVICULTURAL RESEARCH DIVISION****P.O. Box 2218****Suva**

Tel: 322311

Number of graduate staff: 003

Establishment date: 1939

Main research areas: silviculture and management, tree improvement, protection

Principal Silviculturist: L.R. Jiko

FORESTRY DEPARTMENT, UTILIZATION DIVISION**P.O. Box 2218****Suva**

Tel: 679-393611

Fax: 679-301595

Number of graduate staff: 002

Establishment date: 1968

Main research areas: wood processing

Acting Principal Utilization Officer: Sairusi Bulai

FINLAND**FINNISH FOREST RESEARCH INSTITUTE****Unioninkatu 40A****SF-00170 Helsinki**

Tel: 3580-857051

Fax: 3580-625308

Telex: 121286

Number of graduate staff: 230

Establishment date: 1918

Main research areas: soils, silviculture, tree improvement, protection, inventory, economics, forestry

Director-General: Elias Pohtila

FINNISH PULP AND PAPER RESEARCH INSTITUTE (KCL)**Tekniikantie 2****P.O. Box 70****SF-02151 Espoo**

Tel: 3580-43711

Fax: 3580-464305

Telex: 1001522 KCL SF

Number of graduate staff: 100**Establishment date: 1916****Main research areas: pulp and paper****Managing Director: Bo Mannstrom****FOUNDATION FOR FOREST TREE BREEDING****Viljatie 4 A 5****SF-00700 Helsinki**

Tel: 3580-359022

Fax: 3580-359720

Number of graduate staff: 014**Establishment date: 1947****Main research areas: tree improvement, genetic resources, nursery****Managing Director: Antti Isoaho****HELSINKI UNIVERSITY OF TECHNOLOGY, DEPARTMENT OF FOREST PRODUCTS TECHNOLOGY****Vuorimiehentie 1****SF-02150 Espoo**

Tel: 3580-4511

Fax: 3580-4514259

Telex: 125 161 HTKK SF

Number of graduate staff: 040**Main research areas: pulp and paper, environment, forest products, wood processing, wood chemistry****Head of Department: Johan Gullichsen****PELLERVO ECONOMIC RESEARCH INSTITUTION****Revontulentie 8****00210 Espoo**

Tel: 461344

Fax: 463041

Number of graduate staff: 002**Establishment date: 1979****Main research areas: forestry, forest policy, economics****Director: Pertti Kukkonen**

TECHNICAL RESEARCH CENTRE OF FINLAND (VTT), FOREST
PRODUCTS LABORATORY
P.O. Box 207 (Puumiehenkuja 2A)
SF-02151 Espoo

Tel: 358-0-4561
Fax: 358-0-467607
Telex: 122972 VTTHA SF

Number of graduate staff: 045
Establishment date: 1979
Main research areas: wood technology, forest products
Laboratory Director: Tuija Viavainen

UNIVERSITY OF HELSINKI, DEPARTMENT OF FOREST ECOLOGY
Unioninkatu 40B
00170 Helsinki

Tel: 3580-1911
Fax: 3580-1917605
Telex: 125181 HYFOR SF

Number of graduate staff: 025
Establishment date: 1908
Professor: Matti Leikola

UNIVERSITY OF HELSINKI, DEPARTMENT OF FOREST
MENSURATION AND MANAGEMENT
Unioninkatu 40 B
00170 Helsinki

Tel: 3580-1917662
Fax: 3580-1917755

Number of graduate staff: 008
Establishment date: 1926
Main research areas: inventory, remote sensing
Chairman: Simo Poso

UNIVERSITY OF JOENSUU, FACULTY OF FORESTRY
P.O. Box 111
SF-80101 Joensuu

Tel: 35873-1511
Fax: 35873-1513590
Telex: 46183 JOY SF

Number of graduate staff: 040
Establishment date: 1982
Main research areas: silviculture and management, soils, energy,
mensuration, economics, forest health, forest management
Dean: Risto Paavinen

**UNIVERSITY OF OULU, OULANKA BIOLOGICAL STATION
SF-90570 Oulu**

Tel: 35889-353172

Fax: 35889-46119

Number of graduate staff: 002

Establishment date: 1967

Main research areas: ecology, biology, environment

Director: Juha Viramo

WORK EFFICIENCY INSTITUTE, FORESTRY DEPARTMENT

P.O. Box 28

SF-00211 Helsinki

Tel: 90-6922445

Fax: 6922084

Number of graduate staff: 011

Establishment date: 1942

Main research areas: fuelwood, forestry

Head of Department: Jouko Makela

FRANCE

ASSOCIATION FORET CELLULOSE (AFOCEL)

164 Boulevard Haussmann

75008 Paris

Tel: 45624834

Fax: 45620498

Number of graduate staff: 027

Establishment date: 1962

**Main research areas: biotechnology, tree improvement,
plantations, seeds**

Directeur des Recherches: Claire Hubert

ASSOCIATION POUR LA RATIONALISATION ET LA MECANISATION

DE L'EXPLOITATION FORESTIERE (ARMEF)

30 Boulevard Foch

F-77300 Fontainebleau

Tel: (331) 64234500

Fax: (331) 64228887

Number of graduate staff: 010

Establishment date: 1965

Main research areas: mechanization, forest products

Directeur: Hubert Petit

CENTRE DE COOPERATION INTERNATIONALE EN RECHERCHE
AGRONOMIQUE POUR LE DEVELOPPEMENT, FORESTRY
DEPARTMENT (CIRAD-FORET)

45 bis, Avenue de la Belle Gabrielle
94736 Nogent-sur-Marne Cédex

Tel: 331-43944300

Fax: 331-43944329

Telex: CETEFO 244653 F

Cable: CETEFO

Number of graduate staff: 120

Establishment date: 1950

Main research areas: silviculture and management, tree improvement, agroforestry, protection, wood technology, wood chemistry

Directeur: J.M. Dubois

CENTRE NATIONAL DU MACHINISME AGRICOLE, DU GENIE RURAL,
DES EAUX ET DES FORETS (CEMAGREF)

Parc de Tourvoie

92160 Antony

Tel: 40966121

Fax: 40966134

Telex: 204565 F

Number of graduate staff: 030

Establishment date: 1981

Main research areas: tree improvement, mechanization, ecology, forest management, environment

Chef de Département Forêts: Jean François Lacaze

ECOLE NATIONALE SUPERIEURE DES MINES DE PARIS, CENTRE
D'ECONOMIE DES RESOURCES NATURELLES

60 boulevard St. Michel

75272 Paris Cédex 06

Tel: 40519173

Fax: 44071046

Number of graduate staff: 012

Main research areas: economics

Directeur de Recherche: François Leveque

INRA, DEPARTMENT DES RECHERCHES FORESTIERES

Avenue Antonio Vivaldi

84000 Avignon

Tel: 90 89 33 25

Fax: 90 89 98 73

Tlx: 432870

Chef de département: Y. Birot

**INRA, DEPARTEMENT DES RECHERCHES FORESTIERES
CENTRE DE RECHERCHES D'AVIGNON
Avenue Antonio Vivaldi
84000 Avignon**

Tel: 90 89 33 25
Fax: 90 89 98 73
Tlx: 432870

Number of graduate staff: 019

Establishment date:

Main research areas: fire, tree improvement, silviculture,
ecophysiology, zoology

Directeur:

**INRA, DEPARTEMENT DES RECHERCHES FORESTIERES
CENTRE DE RECHERCHE DE NANCY
Champenoux
54280 Seichamps**

Tel: 83 39 40 55
Fax: 83 39 40 69
Tlx: 960458

Number of graduate staff: 059

Establishment date:

Main research areas: silviculture, biometeorology, ecophysiology,
pathology, wood technology, wood quality, soils, microbiology,
nutrition, seeds, genetic resources, botany, tree improvement,
nursery, arboretum

Directeur:

**INRA, DEPARTEMENT DES RECHERCHES FORESTIERES
CENTRE DE RECHERCHES D'ORLEANS
Ardon
45160 Olivet**

Tel: 38 41 78 00
Fax: 38 41 78 79
Tlx: 760359

Number of graduate staff: 034

Establishment date:

Main research areas: silviculture, tree improvement, physiology,
vegetative, propagation, biotechnology, zoology, pathology, pests,
nursery,

Directeur:

INRA, DEPARTEMENT DES RECHERCHES FORESTIERES**CENTRE DE RECHERCHES DE BORDEAUX****Domain de l'Hermitage Pierrotin****33610 Cestas**

Tel: 56 68 03 03

Fax: 56 68 02 23

Tlx: 571989

Number of graduate staff: 033**Establishment date:****Main research areas: tree improvement, silviculture, ecophysiology, nutrition, entomologie****Directeur:****INRA, DEPARTEMENT DES RECHERCHES FORESTIERES****CENTRE DE RECHERCHES ANTILLES-GUYANE****Avenue de France****BP 709****97387 Kourou Cedex**

Tel: 594 32 13 10

Fax: 594 32 23 18

Tlx: 910644

Number of graduate staff: 003**Establishment date:****Main research areas: silviculture and management, ecophysiology, tree-improvement****Directeur: R. Huc****INSTITUT NATIONAL AGRONOMIQUE PARIS-GRIGNON(INA-PG),****CENTRE DE BIOTECHNOLOGIES AGRO-INDUSTRIELLES,****LABORATOIRE DE CHIMIE BIOLOGIQUE (INRA)****Centre de Grignon****78850 Thiverval-Grignon**

Tel: 33-1-30815464

Fax: 33-1-30815457

Number of graduate staff: 007**Establishment date: 1875****Main research areas: biotechnology, wood chemistry, biodiversity, eucalyptus, poplar, multi-purpose trees****Directeur de Recherche: Bernard Montres**

UNIVERSITE DE NANCY, ECOLE SUPERIEURE DES SCIENCES ET
TECHNOLOGIES DES INDUSTRIES DU BOIS (ESSTIB)

B.P. 239

54506 Vandoeuvre Les Nancy Cedex

Tel: 33-83-912095

Fax: 33-83-912102

Telex: 960646 F

Number of graduate staff: 015

Establishment date: 1980

Main research areas: mechanization, wood processing, wood technology

Directeur: X. Deglise

UNIVERSITE DE NANCY, FACULTE DES SCIENCES, LABORATOIRE
DE BIOLOGIE DES LEGNEUX

B.P. 239

54506 Vandoeuvre Les Nancy Cedex

Tel: 83-912000

Fax: 83-903277

Telex: 960646 F

Number of graduate staff: 005

Main research areas: symbiotic associations, biotechnology

Professeur: J. Dexheimer

UNIVERSITE PAUL SABATIER, LABORATOIRE BOTANIQUE ET
FORESTIER

39 allées Jules Guesde

31062 Toulouse Cedex

Tel: 61-530235

Number of graduate staff: 007

Main research areas: pathology, botany

Professeur: Guy Durrieu

GABON

INSTITUT DE RECHERCHES AGRONOMIQUES ET FORESTIERES
(IRAF)

B.P. 2246

Libreville

Tel: 732565

Number of graduate staff: 009

Establishment date: 1977

Main research areas: agriculture, forestry, silviculture and management

Directeur: Jean Bernard Moutsinga

GERMANY

BAYER. FORSTL. VERSUCHS- UND FORSCHUNGSANSTALT (FVA)**Hohenbacherstr. 20****8050 Freising**

Tel: 8161-714881

Fax: 8161-714904

Number of graduate staff: 047**Establishment date: 1979****Main research areas: forestry, seeds, pathology, protection, economics****Director: Robert Holzapfl****BAYER. LANDESANSTALT FUR FORSTL.SAAT UND PFLANZENZUCHT****Forstamtsplatz 1****D 8221 Teisendorf**

Tel: 8666-7611

Fax: 8666-6534

Number of graduate staff: 005**Establishment date: 1964****Main research areas: tree improvement, genetic resources, nursery, seeds****Forstdirektor: Albrecht Behm****BOSCH AND PARTNER, GMBH****Mooseurach 6****8197 Koenigsdorf**

Tel: 8179-1292

Fax: 8179-232

Number of graduate staff: 007**Establishment date: 1986****Main research areas: ecology, soils, landscape architecture, watersheds****Chairmen: Christof Bosch, Johann Köppel****BUNDESANSTALT FUER MATERIALFORSCHUNG- UND PRUEFUNG****Unter den Eichen 87****D-1000 Berlin 45**

Tel: 30-81041

Fax: 30-8112029

Telex: 181261 BAMB D

Number of graduate staff: 850**Establishment date: 1871****Main research areas: wood technology, wood processing, wood chemistry****President: G.W. Becker**

DRESDEN UNIVERSITY OF TECHNOLOGY, FACULTY OF CIVIL
ENGINEERING, WATER MANAGEMENT AND FORESTRY,
DEPARTMENT OF FORESTRY
D-8223 Tharandt

Tel: 035203-6231
Fax: 035203-8411
Telex: 035203-26424

Number of graduate staff: 090

Establishment date: 1811

Main research areas: environment, forest health, ecology, wood technology, soils, physiology, conservation

Head of Department: Otfried Blossfeld

FACHHOCHSCHULE FUER FORSTWIRTSCHAFT

Schadenweilerhof
D-4507 Rottenburg

Tel: 7472-8049
Fax: 7472-42483

Number of graduate staff: 013

Establishment date: 1954

Main research areas: silviculture, economics, forestry

Rector: Gerhard Schaefer

FEDERAL RESEARCH CENTRE FOR FORESTRY AND FOREST
PRODUCTS

Leuschnerstrasse 91
D-2050 Hamburg 80

Tel: 40-739621
Fax: 40-73962-480

Number of graduate staff: 057

Establishment date: 1939

Main research areas: forestry, forest products

Director: C. Thoroe

FEDERAL RESEARCH CENTRE FOR FORESTRY AND FOREST
PRODUCTS, INSTITUTE OF FOREST GENETICS

Siekerlandstrasse 2
D-2070 Grosshansdorf

Tel: 494102-61079
Fax: 494102-62981
Telex: 403826 BFH

Number of graduate staff: 007

Establishment date: 1948

Main research areas: ecology, genetic resources

Director: Hans-J. Muhs

FOREST RESEARCH INSTITUTE**6751 Trippstadt****Schloss**

Tel: 6306-8311

Fax: 6306-2821

Number of graduate staff: 012**Establishment date: 1984****Main research areas: tree improvement, genetic resources, biometeorology, forest health, ecology, forest products, mensuration, silviculture and management, operations research****Director: Axel Roeder****FOREST RESEARCH INSTITUTE BADEN-WUERTTEMBERG****Wonnhaldestrasse 4****D-7800 Freiburg**

Tel: 49761- 40180

Fax: 49761- 4018333

Number of graduate staff: 040**Establishment date: 1958****Main research areas: silviculture, botany, soils, protection, ecology, economics, harvesting, mensuration, forest health, biometrics****Director of Research: Hans-Ulrich Moosmayer****FORSTLICHE VERSUCHSANSTALT SACHSEN-ANHALT****Behnsdorfer Str. 45****0-3241 Flechtingen**

Tel: 039054-225

Fax: 039054-296

Number of graduate staff: 006**Establishment date: 1992****Main research areas: protection, landscape architecture, conservation****Director: Ernst Eberhardt****FORSTLICHES FORSCHUNGSIINSTITUT EBERSWALDE****Alfred-Möller-Str. 1****0-1300 Eberswalde-Finow**

Tel: 03334-650

Fax: 03334-65213

Number of graduate staff: 030**Establishment date: 1992****Main research areas: silviculture, economics, soils, protection, ecology, tree improvement, forest products****Director: Dieter Heinsdorf**

FORSTLICHES FORSCHUNGSIINSTITUT EBERSWALDE E.V.

Alfred Moellerstrasse 1
D-1300 Eberswalde-Finow

Tel: 03334-650
Fax: 03334-65213
Telex: 371240

Number of graduate staff: 032

Establishment date: 1992

Main research areas: silviculture, economics, soils, protection,
ecology, tree improvement, forest products, forest health,
nutrition, wildlife

Director: Dieter Heinsdorf

HESSIAN FOREST RESEARCH CENTRE (HFV)

Prof. Oelkersstrasse 6
3510 Hann. Muenden

Tel: 5541-70040
Fax: 5541-700473

Number of graduate staff: 013

Establishment date: 1971

Main research areas: tree improvement, protection, hydrology,
forest health, genetic resources

INSTITUT FURR WALDWACHSTUM

Bertoldstr. 17
7800 Freiburg

Tel: 0049-761-2033754
Fax: 0049-761-2034529

Number of graduate staff: 007

Main research areas: forest management, silviculture and
management, ecology, mensuration

Director: Heinrich Spiecker

**INSTITUTE OF ECOLOGY, LANDSCAPE DEVELOPMENT AND FOREST
PLANNING (LOLF)**

Leibnizstrasse 10
D-4350 Recklinghausen

Tel: 2361-3051

Number of graduate staff: 004

Establishment date: 1975

Main research areas: forest health, ecology, mensuration

Division Leader: Mr. Schoeller

KURATORIUM FUER WALDARBEIT UND FORSTTECHNIK**Sprembergerstrasse 1****D-6114 Umstadt**

Tel: 6078-78534

Number of graduate staff: 010**Establishment date: 1962****Main research areas: work safety, harvesting, forestry****Director: Klaus Dummel****LANDESANSTALT FUR FORSTWIRTSCHAFT NORDHEIN-WESTFALEN****Herbreme 2****D-5760 Arnsberg**

Tel: 02931-1774

Fax: 02931-10022

Number of graduate staff: 005**Establishment date: 1989****Main research areas: silviculture, economics****Director: J. Richter****LOWER SAXON FORESTRY SEED ADVISORY BOARD****Forstweg 5A****D-3042 Munster-Oerrel**

Tel: 495192-7031

Fax: 495192-6816

Number of graduate staff: 004**Establishment date: 1985****Main research areas: seeds****Director: Carsten Schröder****LOWER SAXONY FOREST RESEARCH INSTITUE, DEP. OF GROWTH****AND YIELD****Graetzelstr. 2****D3400 Göttingen**

Tel: 49-551-694010

Fax: 49-551-6940160

Number of graduate staff: 008**Establishment date: 1950****Main research areas: silviculture, natural forests, forestry****Forstdirektor Hermann Spellmann**

LOWER SAXONY FOREST RESEARCH INSTITUTE, DEPARTMENT OF
FOREST TREE BREEDING

Forstamtstrasse 6
D-3513 Staufenberg-Escherode
Tel: 495543-1037
Fax: 495543-4664

Number of graduate staff: 010

Establishment date: 1963

Main research areas: tree improvement, vegetative propagation,
genetic resources

Director: Jochen Kleinschmit

POSTDAM INSITUT FUR KLIMAFOLGENFORSCHUNG (PIK)

Teografenberg
D-0-1561 Potsdam
Tel: 49-331-310435
Fax: 49331-310548

Number of graduate staff: 029

Establishment date: 1992

Main research areas: environment, biometeorology, ecology,
economics, land-use policy

Director: H. J. Schellnhuber

SACHSISCHE LANDESANSTALT FUR FORSTEN

Bonnewitzer Str. 34
0-8304 Graupa
Tel: 03501-48215/17
Fax: 03501-48236

Number of graduate staff: 034

Establishment date: 1991

Main research areas: forestry, ecology, silviculture, pests

Director:

THURINGER FORSTEINRICHTUNGS- UND VERSUCHSANSTALT

Jägerstr. 1
0-5800 Gotha
Tel: 03621-2250
Fax: 03621-225222

Number of graduate staff: 028

Establishment date: 1991

Main research areas: silviculture, protection, forest management

Director: Joachim Hoffmann

UNIVERSITY OF FREIBURG, ABTEILUNG FUR FORSTLICHE
BIOMETRIE
Werderring 6
7800 Freiburg

Tel: 49761-2033570
Fax: 49761-2034229
Telex: 772740-60 UFD

Number of graduate staff: 007

Establishment date: 1966

Main research areas: inventory, mensuration, biometrics,
biodiversity, forest statistics, gis, operations research

Director: D.R. Pelz

UNIVERSITY OF FREIBURG, FORESTRY FACULTY
Erbprinzenstrasse 13
7800 Freiburg i. Br.

Tel: 49761-2033155
Fax: 49761-2033858
Telex: 772740-60 UF D
Cable: UNI FREIBURG

Number of graduate staff: 048

Establishment date: 1969

Main research areas: forestry

Dean: G. Oesten

UNIVERSITY OF FREIBURG, INSTITUT FOREST POLICY AND
REGIONAL PLANNING

Bertoldstrasse 17
D-7800 Freiburg

Tel: 49761-20313750
Fax: 49761-20313776

Number of graduate staff: 006

Establishment date: 1935

Main research areas: forest policy, land-use policy, history,
conservation, environment, non-wood forest products, protection,
social forestry, urban forestry

Director: Erwin Niesslein

UNIVERSITY OF FREIBURG, INSTITUT FUER FORSTBOTANIK UND
BAUMPHYSIOLOGIE

Bertoldstrasse 17
D-7800 Freiburg i. Br.

Tel: 49761-2032307
Fax: 49761-2032308

Number of graduate staff: 020

Establishment date: 1992

Main research areas: botany, pathology, physiology, environment,
nutrition, symbiotic associations, urban forestry, vegetative
propagation

Director: Siegfried Fink

UNIVERSITY OF FREIBURG, INSTITUT FUR FORSTBENUTZUNG UND
FORSTLICHE ARBEITSWISSENSCHAFT

Werderring 6
D-7800 Freiburg

Tel: 49761-2033743
Fax: 49761-2033341

Number of graduate staff: 009

Main research areas: wood technology, pulp and paper,
harvesting, work safety

Director: R. Grammel

UNIVERSITY OF FREIBURG, INSTITUT FUR FORSTEINRICHTUNG UND
FORSTL BWL, ABT. LUFTBILDMESSUNG UND FERNERKUNDUNG

Werderring 6
7800 Freiburg i. Br.

Tel: 49761-2032404
Telex: 772740 UF D

Number of graduate staff: 008

Establishment date: 1968

Main research areas: forestry, remote sensing, inventory, gis

Chief of Research: Steffen Kuntz

UNIVERSITY OF FREIBURG, INSTITUT FUR FORSTEINRICHTUNG UND
FORSTLICHE BETRIEBWIRTSCHAFT

Bertoldstr. 17
78 Freiburg i. Br.

Tel: 0049-761-2033737
Fax: 0049-761-2033738

Number of graduate staff: 009

Establishment date: 1920

Main research areas: forest management, forest policy, gis, social
forestry, non-wood forest products, natural forests, operations
research

Director G. Oesten

UNIVERSITY OF FREIBURG, INSTITUTE OF SILVICULTURE

Bertoldstrasse 17
D-7800 Freiburg i.Br.

Tel: 49761-2033741
Fax: 49761-2033738

Number of graduate staff: 006

Establishment date: 1920

Main research areas: silviculture, physiology, ecology,
afforestation, genetic resources, natural forests, plantations

Director: Juergen Huss

**UNIVERSITY OF FREIBURG, INSTITUTE OF SOIL SCIENCE AND
FOREST NUTRITION**

Albert-Ludwig University

D-7800 Freiburg I. Br.

Tel: 0049-761-2033735

Fax: 0049-761-2033776

Number of graduate staff: 007

**Main research areas: ecology, eucalyptus, nutrition, plantations,
soils, watersheds**

Director: Heinz W. ZÖTT

**UNIVERSITY OF GOETTINGEN, ABTEILUNG FORSTGENETIK UND
FORSTPFLANZENZUECHTUNG**

Buesgenweg 2

3400 Goettingen-Weende

Tel: 49551-393532

Fax: 49551-399629

Telex: 96703

Number of graduate staff: 003

Establishment date: 1966

Main research areas: biology, genetic resources

Director: H. Hattemer

UNIVERSITY OF GOETTINGEN, FORSCHUNGSZENTRUM

WALDOEKOSYSTEME

Habichtsweg 55

D-3400 Goettingen

Tel: 49551-393512,393501

Fax: 49551-399762

Telex: 96703 UNIGOE

Number of graduate staff: 072

Establishment date: 1984

Main research areas: ecology

Director: B. Ulrich

UNIVERSITY OF GOETTINGEN, FORSTWISSENSCHAFTLICHER

FACHBEREICH

Busgenweg 5

D-3400 Gottingen

Tel: 49551-393401/02

Fax: 49551-399629

Telex: 0551/96703 unigoe

Number of graduate staff: 032

Establishment date: 1868

Main research areas: forestry

Dean: Caro Becker

UNIVERSITY OF GOETTINGEN, INSTITUT FUER FORSTEINRICHTUNG
UND ERTRAGSKUNDE

Buesgenweg 5
3400 Goettingen

Tel: 49551-393472
Telex: 96703 UNIGOE

Number of graduate staff: 016

Establishment date: 1929

Main research areas: silviculture and management, inventory,
mensuration, remote sensing, gis

Director: K. von Gadow

UNIVERSITY OF GOETTINGEN, INSTITUT FUER FORSTOEKONOMIE

Buesgenweg 5
D-3400 Goettingen

Tel: 49551-393422
Fax: 49551-399629
Telex: UNIGOE D 96703

Number of graduate staff: 006

Main research areas: economics, marketing

Director: Volker Berger

UNIVERSITY OF GOETTINGEN, INSTITUT FUER WILDBIOLOGIE UND
JAGDKUNDE

Buesgenweg 3
D-3400 Goettingen

Tel: 49551-393621
Fax: 49551-399629

Number of graduate staff: 006

Establishment date: 1936

Main research areas: wildlife, conservation, protection

Professor: A. Festetic

UNIVERSITY OF GOETTINGEN, INSTITUT OF BIOCLIMATOLOGY

Buesgenweg 1
D-3400 Goettingen

Number of graduate staff: 008

Establishment date: 1975

Main research areas: ecology, biometeorology, environment,
biochemistry

Director: Gode Gravenhorst

UNIVERSITY OF GOETTINGEN, INSTITUTE FUER FORSTZOOLOGIE

**Buesgenweg 3
D-3400 Goettingen**

**Tel: 49551-393602
Fax: 49551-399629
Telex: 96703 UNIGOE**

Number of graduate staff: 007

Establishment date: 1870

Main research areas: physiology, ecology, entomology

Acting Director: J. Lunderstadt

UNIVERSITY OF GOETTINGEN, INSTITUTE OF FOREST UTILIZATION

**Buesgenweg 4,
D-3400 Goettingen**

**Tel: 49551-393541/42
Fax: 49551-399629**

Number of graduate staff: 007

Establishment date: 1928

Main research areas: silviculture, wood technology, harvesting

Director: Gero Becker

UNIVERSITY OF GOETTINGEN, INSTITUTE OF SILVICULTURE, DEP.1

**Busgenweg 1
W-3400 Goettingen**

**Tel: 49551-393672
Fax: 49551-399629
Telex: 96703 UNIGOE-D**

Number of graduate staff: 005

Main research areas: silviculture, physiology, ecology, forest health

Director: H.J. Weidelt

**UNIVERSITY OF GOETTINGEN, INSTITUTE OF SILVICULTURE,
SECTION II: TROPICAL SILVICULTURE AND NATURAL FOREST
RESEARCH**

**Buesgenweg 1
D-3400 Goettingen**

**Tel: 49551-393651
Fax: 49551-399629
Telex: 96703 UNIGOE**

Number of graduate staff: 004

Establishment date: 1966

Main research areas: plantations, agroforestry, forest management, ecology

Director: H.J. Weidelt

UNIVERSITY OF MUNICH, CHAIR FOR FOREST ECONOMICS**Hohenbacherstr. 22****D-8050 Freising**

Tel: 498161-714630

Fax: 498161-714631

Number of graduate staff: 002**Establishment date: 1882****Main research areas: economics, operations research, marketing****Professor: Michael Timinger****UNIVERSITY OF MUNICH, CHAIR FOR FOREST POLICY AND FOREST****HISTORY****Schellingstrasse 12/II****D-8000 Muenchen 40**

Tel: 89-21803551

Fax: 89-21803748

Telex: 529860 UNIVM D

Number of graduate staff: 008**Establishment date: 1968****Main research areas: forest policy, history, wildlife, land-use
policy****Head: Karl-Reinhard Volz****UNIVERSITY OF MUNICH, CHAIR OF SOIL SCIENCE****Hohenbacherstr. 22****D-8050 Freising****Number of graduate staff: 015****Main research areas: soils, hydrology, nutrition****Professor: Karl-Eugen Rehfuss****UNIVERSITY OF MUNICH, FORSTWISSENSCHAFTLICHE FAKULTAT,****LEHRBEREICH FUR RAUMORDNUNG UND UMWELTRECHT****Hohenbacherstr. 22****D-8050 Freising**

Tel: 498161-714624

Fax: 498161-714623

Number of graduate staff: 004**Establishment date: 1987****Main research areas: environment, land-use policy, forest policy****Head of Unit: Egon Gundermann**

UNIVERSITY OF MUNICH, INSTITUTE FOR WOOD RESEARCH**Winzererstrasse 45****D-8000 Muenchen 40**

Tel: 4989-306309/0

Fax: 4989-306309/11

Number of graduate staff: 020**Establishment date: 1954****Main research areas: forest products, wood chemistry, wood technology, product development, wood processing, environment, pathology****Director: Horst Schulz****UNIVERSITY OF MUNICH, INSTITUTE OF SILVICULTURE AND FOREST MANAGEMENT****Hohenbachernstr. 22****D-8050 Freising**

Tel: 498161-714690

Fax: 498161-714616

Number of graduate staff: 011**Establishment date: 1878****Main research areas: forest management, silviculture and management, environment, biometeorology, livestock management, afforestation, nursery, seeds, silviculture****Chairman: Peter Burschel****UNIVERSITY OF MUNICH, LEHRSTUHL FUER FORSTBOTANIK****Hohenbachernstr. 22****D-8050 Freising****Number of graduate staff: 012****Main research areas: botany, pathology, physiology****Head of Research: P. Schuett****UNIVERSITY OF MUNICH, LEHRSTUHL FUER FORSTLICHE ARBEITSWISSENSCHAFT UND ANGEWANDTE FORSTLICHE****INFORMATIK****Hohenbachernstr. 22****D-8050 Freising****Number of graduate staff: 006****Establishment date: 1971****Main research areas: soils, work safety, forest management, harvesting****Director: Hans D. Loeffler**

UNIVERSITY OF MUNICH, LEHRSTUHL FUER LANDSCHAFTSTECHNIK
Hohenbacherstr. 22
D-8050 Freising

Number of graduate staff: 010
Establishment date: 1976
Main research areas: land-use policy, ecology, protection,
biotechnology, remote sensing
Director: U. Ammer

WILHELM KALUDITZ INSTITUT (WKI), WORKING GROUP OF WOOD
RESEARCH
Bienroderweg 54 E
D-3300 Braunschweig
Tel: 49531-39090
Fax: 49531-351587
Telex: 952 942 wkibs d
Number of graduate staff: 025
Establishment date: 1946
Main research areas: wood technology, product development,
wood processing, wood chemistry
Director: Rainer Marutzky

GHANA

FORESTRY RESEARCH INSTITUTE OF GHANA
P.O. Box 63
U.S.T. Kumasi

Number of graduate staff: 042
Establishment date: 1961
Main research areas: forestry, forest products
Director: A. Ofosu-Asiedu

GREECE

FOREST RESEARCH INSTITUTE OF THESSALONIKI
570 06 Vassilika
Thessaloniki

Tel: 31-461171
Fax: 31-461341

Number of graduate staff: 026
Establishment date: 1961
Main research areas: silviculture and management, genetic
resources, soils, protection, livestock management, hydrology,
landscape architecture, wood technology, ecology
Director: Lampros Romanas

GUATEMALA**DIRECCION GENERAL DE BOSQUES Y VIDA SILVESTRE (DIGEBOS)****7a. Avenida 6-80 Zona 13****Ciudad de Guatemala****Tel: 735209****Fax: 735214****Number of graduate staff: 004****Establishment date: 1988****Main research areas: wildlife, forestry****Jefe Nacional Proyecto Madeleña: Carlos Francisco Fausto Hernández****HONDURAS****CENTRO NACIONAL DE INVESTIGACION FORESTAL APLICADA****(CENIFA)****ESNACIFOR****CENIFA - Apartado # 2****Siguatepeque****Tel: 504-732011****Fax: 504-732300****Number of graduate staff: 008****Establishment date: 1984****Main research areas: soils, silviculture and management****Jefe de Investigación: Miguel C. Valdes****ESCUELA AGRICOLA PANAMERICANA****Apartado 93****Tegucigalpa****Tel: 504-766140, 766150****Fax: 504-765240****Telex: 1567-EAP-ZAM-HO****Number of graduate staff: 001****Establishment date: 1942****Main research areas: silviculture and management, tree improvement, hydrology, wildlife, agriculture****Jefe Programa Forestal: Nelson Agudelo C.**

HUNGARY

ERDESZETI TUDOMANYOS INTEZET (FOREST RESEARCH

INSTITUTE)

Frankel Leo U. 42-44

H-1023 Budapest

Tel: 361-1150624

Fax: 361-1151806

Telex: 61-226914

Number of graduate staff: 033

Establishment date: 1949

Main research areas: tree improvement, silviculture and management, protection, mechanization, economics, ecology, genetic resources

Director-General: Antal Bondor

UNIVERSITY OF FORESTRY AND WOOD SCIENCES

P.O. Box 132

H-9401 Sopron

Tel: 3699-11100

Fax: 3699-11103

Telex: 61-249126

Number of graduate staff: 115

Establishment date: 1735

Main research areas: silviculture and management, wood technology, harvesting, wildlife, botany, environment, pulp and paper, land-use

policy, forest products

Associate Rector: Csaba Matyas

INDIA

ASSOCIATION FOR WASTELANDS DEVELOPMENT

A-51 Pandara Road

New Delhi 3

Tel: 91-11-384372

Number of graduate staff: 003

Establishment date: 1986

Main research areas: agroforestry, social forestry, ecology, environment

Head of Research: D.P. Yadav

BAIF DEVELOPMENT RESEARCH FOUNDATION

'Kamdhenu', Sanapati Bapat Road
Pune 411 016

Tel: 91212/342621
Fax: 91212/670859
Telex: 01457283
Cable: BAIFON

Number of graduate staff: 025

Establishment date: 1967

Main research areas: economics, forestry, afforestation,
agroforestry, natural forests, silviculture and management

President: Manibhai Desai

DR. YASHWANT SINGH PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY

P.O. Nauni
Solan 173230

Tel: 0091 1792 2288
CABLE: VANUDYAN

Number of graduate staff: 417

Establishment date: 1985

Main research areas: agroforestry, entomology, forest products,
genetic resources, horticulture, multi-purpose trees, pathology,
poplar, soils, tree improvement

Vice-Chancellor: B.R. Sharma

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION (ICFRE)

P.O. New Forest
Dehra Dun 248006

Tel: 0135-23452
0135-23548
Fax: 0135-23258
Telex: 595-258

Director-General: D.N. Tewari

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION, ARID FORESTRY RESEARCH INSTITUTE

16/507, Nandanvan
Chopasni Housing Board
Jodhpur 342 008

Tel: 91-29126034
Fax: 0291-26034
Cable: VANKI DIRECTOR

Number of graduate staff: 100

Establishment date: 1988

Main research areas: desertification, afforestation, silviculture
and management, tree improvement, protection, social forestry
Director: A.P. Dwivedi

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
FOREST RESEARCH INSTITUTE
P.O. New Forest
Dehra Dun 248006

Establishment date: 1906
Director: N.K. Joshi

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
INSTITUTE OF FOREST GENETICS AND TREE BREEDING
P.B. No. 1061
R. S. Puram
Coimbatore PIN 641 002

Tel: 91-0422-041540/42541
Fax: 91-0422-40549
Telex: VANAVRIKSHA, Coimbatore

Number of graduate staff: 064

Main research areas: tree improvement, biotechnology, seeds,
agroforestry, silviculture, protection, economics, botany

Director: K. N. Subramanian

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
INSTITUTE OF RAIN AND MOIST DECIDUOUS FORESTS
RESEARCH
NA-ALI
Jorhat 785 001
Assam

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY
Malleswaram, P.O.
Bangalore-560 003

Tel: 0091-812-341731/346811
Fax: 0091-812-340529

Number of graduate staff: 060

Main research areas: wood technology, non-wood forest products,
tree improvement, silviculture and management, nursery,
pathology, pests, entomology, forest products, biodiversity, soils
Director: V. V. Srinivasan

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
TROPICAL FOREST RESEARCH INSTITUTE
P.O. Regional Forest Research Centre
Mandla Road
Jabalpur 482021
Director:

INDIAN PLYWOOD INDUSTRIES RESEARCH INSTITUTE

P.B. No. 2273, Tumkur Road

Bangalore 560 022

Tel: 91812-394341/394231

Fax: 91812-396361

Telex: 0845-5065 IPIRI IN

Cable: IPIRI BAGALORE

Number of graduate staff: 047

Establishment date: 1962

Main research areas: wood technology, wood processing, product development, engineering, forest products, non-wood forest products

Director: P.M. Ganapathy

KARNATAKA FOREST DEPARTMENT, FOREST RESEARCH AND UTILIZATION CIRCLE

3rd Floor, Aranya Bhavana

18th cross, Mallewaram

Bangalore 560 030

Karnataka

Tel: 91812/565250-345593

Fax: 91812-344593

Telex: 2900

Number of graduate staff: 050

Establishment date: 1950

Main research areas: afforestation, tree improvement, wildlife, seeds, fire, biodiversity, mensuration, nursery, silviculture and management, silviculture, social forestry, vegetative propagation

Conservator of Forests: S. N. Rai

KERALA FOREST RESEARCH INSTITUTE

Peechi 680 653

Trichur, Kerala

Tel: 91487-22375

Telex: 887275 KFRI IN

Cable: KEFORINST

Number of graduate staff: 110

Establishment date: 1975

Main research areas: forestry, wood technology, wildlife, agroforestry, ecology, conservation

Director: Chand Basha

MALAWARMAN UNIVERSITY, FACULTY OF FORESTRY

Campus Gunung Kelua

P.O. Box 13/1227

Samarinda, East Kalimantan

Tel: 541-21118 x.300

Fax: 541-35379

Number of graduate staff: 065

Establishment date: 1963

Main research areas: forestry, forest products

Dean: Soeyitno Soedirman

IRAN**PLANT PESTS & DISEASES RESEARCH INSTITUTE**

P.O. Box 1454

18395 Tehran

Tel: 21-293012/16

Number of graduate staff: 002

Establishment date: 1962

Main research areas: protection, pests, pathology

Chief of Research: B. Parsi

RESEARCH INSTITUTE OF FORESTS & RANGELAND

P.O. Box 13185-116

Tehran

Tel: 21/943123/944198

Fax: 21/944199

Number of graduate staff: 146

Establishment date: 1968

Main research areas: forestry, livestock management, botany, watersheds, desertification, pulp and paper, physiology,

protection, non-wood forest products

Head of Research: A.A. Maassoumi

UNIVERSITY OF TEHRAN, COLLEGE OF NATURAL RESOURCES

Karadj

Tel: 0261-23044/6

Fax: 0261-8007988

Number of graduate staff: 027

Establishment date: 1966

Main research areas: seeds, afforestation, environment, conservation, silviculture, agroforestry, social forestry, nursery, ecology, wood technology

IRELAND**COILTE TEO., RESEARCH DIVISION**

Sidmonton Place
Bray, Co. Wicklow

Tel: 2867751

Number of graduate staff: 008

Establishment date: 1959

Main research areas: protection, silviculture, tree improvement,
environment, wood technology, natural forests

Research Manager: Gerard Murphy

EOLAS - THE IRISH SCIENCE & TECHNOLOGY AGENCY

Glasnevin
Dublin 9

Tel: 353-1-370101

Fax: 353-1-379620

Number of graduate staff: 009

Establishment date: 1962

Main research areas: wood technology, biotechnology, forestry
Head of Timber Research & Consultancy: P. Colclough

ISRAEL**AGRICULTURAL RESEARCH ORGANIZATION, DEPARTMENT OF
AGRONOMY AND NATURAL RESOURCES, VOLCANI CENTER**
P.O. Box 6

Bet Dagan 50-250

Tel: 972-9683484

Fax: 972-9683492

Telex: 381476 AROVC IL

Number of graduate staff: 004

Establishment date: 1928

Main research areas: silviculture, agriculture, tree improvement,
fire, physiology

Deputy Director for Research (Forestry): G. Schiller

ITALY**ACCADEMIA ITALIANA DI SCIENZE FORESTALI**

Piazza Edison, 11
50133 Firenze

Tel: 3955-570348

Fax: 3955-575724

Number of graduate staff: 009

Establishment date: 1951

Main research areas: silviculture and management
Presidente dell'Accademia: Fiorenzo Mancini

CENTRO DI DOCUMENTAZIONE PER IL COMMERCIO**INTERNAZIONALE DEL LEGNO (CIL)****c/o Area di Ricerca****Padriciano, 99****34012 Trieste****Tel: 3940-398975/398976****Fax: 3940-398981****Number of graduate staff: 004****Establishment date: 1967****Main research areas: forest health, forest products****Director: Roberto Jodice****CENTRO DI Sperimentazione Agricola e Forestale (CSAF)****Casella Postale 9079****I-00100 Roma-Aurelio****Tel: 396-6960241****Fax: 396-6963703****Number of graduate staff: 027****Establishment date: 1953****Main research areas: pulp and paper, tree improvement, plantations, protection, agroforestry, environment, economics, wood quality, pests, pathology, harvesting****Director: Gianfranco Lapietra****CONSIGLIO NAZIONALE DELLE RICERCHE, ISTITUTO PER LA****RICERCA SUL LEGNO****Via Barazzuoli 23****50136 Firenze****Tel: 3955-661750****Fax: 3955-670624****Telex: 572458 ILFI I****Number of graduate staff: 010****Establishment date: 1954****Main research areas: forest products, wood technology****Director: Sanzio Baldini****CSIL SCRL, CENTRO STUDI INDUSTRIA LEGGERA****Via Gesu, 17****I-20121 Milano****Tel: 392-76021648/796630****Fax: 392-780703****Number of graduate staff: 010****Establishment date: 1980****Main research areas: forest products, economics, product development****Chief of Research: Massimo Florio**

INSTITUTE OF AGRICULTURAL CHEMISTRY AND FORESTRY

Piazza San Francesco, 4
Gallina 89061 (Reggio Calabria)
Tel: 3965-682558
Fax: 3965-682616
Number of graduate staff: 004
Establishment date: 1986
Main research areas: agriculture, soils
Director: Giovanni Cacco

ISTITUTO DI ECOLOGIA E IDROLOGIA FORESTALE

Via a. Volt
106/C
Tel: 3984-837323
Fax: 3984-838625
Number of graduate staff: 010
Establishment date: 1981
Main research areas: ecology, hydrology, soils

ISTITUTO DI INGEGNERIA AGRARIA

Via Celoria, 2
20133 Milano
Tel: 392-2367625
Fax: 392-26680322
Telex: UNIMI - I - 320484
Number of graduate staff: 017
Establishment date: 1921
Main research areas: agriculture, land-use policy, energy
Director: Giuseppe Pellizzi

ISTITUTO DI SPERIMENTAZIONE PER LA PIOPPICULTURA (SAF)

Strada per Frassineto 35
15033 Casale Monferrato (AL)
Tel: 39142-454654
Fax: 39142-55580
Number of graduate staff: 016
Establishment date: 1939
Main research areas: poplar, tree improvement, plantations,
protection, economics, silviculture, weeds, wood quality,
mensuration
Research Director: Gianfranco Lapietra

ISTITUTO PER IL MIGLIORAMENTO GENETICO DELLE PIANTE FORESTALI

**Via San Bonaventura, 13
50145 Firenze**

**Tel: 3955-311069
Fax: 3955-319413**

Number of graduate staff: 009

Establishment date: 1983

**Main research areas: physiology, tree improvement,
biotechnology, genetic resources**

Director: Raffaello Giannini

ISTITUTO PER L'AGROSELVICOLTURA (CNR)

**Viale Marconi, 2
05010 Porano (TR)**

**Tel: 39763-65122/65076
Fax: 39763-65330**

Number of graduate staff: 008

Establishment date: 1983

**Main research areas: agriculture, agroforestry, genetic resources,
physiology, silviculture**

Director: Francesco Cannata

ISTITUTO PER LA TECNOLOGIA DEL LEGNO

Via Biasi, 57

38010 S. Michele all'Adige (TN)

**Tel: 39461-650168
Fax: 39461-659045
Telex: 400453 ILSMA**

Number of graduate staff: 008

Establishment date: 1981

**Main research areas: wood technology, wood processing,
economics, harvesting**

Director: Paolo Pedrotti

ISTITUTO PER LE PIANTE DA LEGNO E L'AMBIENTE (IPLA) S.P.A.

**Corso Casale 476
10132 Torino**

**Tel: 8998933
Fax: 8989333**

Number of graduate staff: 017

Establishment date: 1979

**Main research areas: silviculture, forest products, mapping,
pathology, soils, energy, inventory**

Director: Mario Palenzona

**ISTITUTO SPERIMENTALE PER L'ASSESTAMENTO FORESTALE E
PER L'ALPICOLTURA**
Via U. Giordano, 8
38050 Villazzano (TN)

Tel: 39461-924248
Fax: 39461-915651

Number of graduate staff: 008

Establishment date: 1967

Main research areas: forest management, non-wood forest products, biometrics

Director: Massimo Bianchi

ISTITUTO SPERIMENTALE PER LA SELVICOLTURA

Viale Santa Margherita 80
52100 Arezzo

Tel: 39575-353021
Fax: 39575) 353490

Number of graduate staff: 021

Establishment date: 1922

Main research areas: ecology, silviculture, afforestation, genetic resources

Director: Riccardo Morandini

ITAECO SPA

Via Carlo Pesenti 109
00156 Rome

Tel: 396-439971
Fax: 396-4512948
Telex: 625291 itaeco 1

Number of graduate staff: 008

Establishment date: 1972

Main research areas: remote sensing, gis, fire, mapping, natural forests

Chief of Research: M. Marchetti

RESEARCH STATION FOR AGRICULTURE AND FORESTRY

LAIMBURG
39040 Ora (Bolzano)

Tel: 39471-960009
Fax: 39471-960016

Number of graduate staff: 010

Establishment date: 1975

Main research areas: agriculture, forestry

Director: Hermann Mantinger

RICERCA ECONOMICA STATISTICA SERVIZI (RESS)**Via Assisi, 163****00181 Roma**

Tel: 396-780511

Fax: 396-7843894

Number of graduate staff: 005**Establishment date: 1979****Main research areas: forest products, economics, statistics****Managing Director: Sergio Marangoni****STAZIONE SPERIMENTALE AGRARIA E FORESTALE DI S. MICHELE****ALL'ADIGE (TN)****Via Mach, 1****S. Michele all'Adige (TN)**

Tel: 39461-650107/650167

Fax: 39461-650956

Number of graduate staff: 012**Establishment date: 1963****Main research areas: agriculture, ecology, biometeorology, hydrology****Head of Research: Marco Zorzi****UNIVERSITA DEGLI STUDI DELLA TUSCIA, DIPARTIMENTO DI SCIENZE DELL'AMBIENTE FORESTALE E DELLE SUE RISORSE****Via San Camillo de Lellis****01100 Viterbo**

Tel: 39761-257403

Fax: 39761-257389

Telex: 614076 TUSVIT

Number of graduate staff: 021**Establishment date: 1990****Main research areas: ecology, physiology, silviculture, wood technology****Director: Ervedo Giordano****UNIVERSITA DEGLI STUDI DI BARI, ISTITUTO DI CHIMICA AGRARIA****Via G. Amendola, 156/A****70126 Bari**

Tel: 3955-242851

Fax: 3955-242813

Number of graduate staff: 010**Establishment date: 1925****Main research areas: soils, ecology, environment****Chief of Research: Vito Marino Radogna**

**UNIVERSITA DEGLI STUDI DI FIRENZE, FACOLTA DI AGRARIA,
DIPARTIMENTO DI SCIENZA DEL SUOLO E NUTRIZIONE DELLE
PIANTE**

**Piazzale delle Cascine, 15
I-50144 Firenze**

Tel: 3955-330491

Fax: 3955-321148/333273

Number of graduate staff: 022

Establishment date: 1987

Main research areas: mapping

Director: Guido Sanesi

**UNIVERSITA DEGLI STUDI DI FIRENZE, ISTITUTO DI ASSESTAMENTO
E TECNOLOGIA FORESTALE**

**Via S. Bonaventura, 13
50145 Firenze**

Tel: 3955-311304/315512

Fax: 3955-319179

Number of graduate staff: 009

Establishment date: 1930

**Main research areas: ecology, harvesting, wood technology,
forest management, forest products, mensuration, inventory,
land-use policy, engineering**

Director: Giovanni Ippoliti

UNIVERSITA DEGLI STUDI DI FIRENZE, ISTITUTO DI SELVICOLTURA

**Via S. Bonaventura, 13
50145 Firenze**

Tel: 3955-375147

Number of graduate staff: 015

Establishment date: 1936

**Main research areas: ecology, silviculture, genetic resources,
fire, agroforestry**

Director:

**UNIVERSITA DEGLI STUDI DI PARMA, ISTITUTO DI ECONOMIA
AGRARIA E FORESTALE**

**Via Kennedy 6
43100 Parma**

Tel: 39521-205413/4/5

Telex: 39521-205498

Number of graduate staff: 003

Establishment date: 1960

**Main research areas: forest products, environment, forest
management**

Chief: Alberto Benassi

UNIVERSITA DI FIRENZE, ISTITUTO DI PATOLOGIA E ZOOLOGIA FORESTALE, CENTRO PER LA PATOLOGIA DELLE PIANTE LEGNOSE MONTANE
Facoltà di Agraria
Piazzale delle Cascine 28
50144 Firenze

Tel: 3955-360546
Fax: 3955-354786

Number of graduate staff: 006

Establishment date: 1972

Main research areas: forestry, pathology, nursery

Director: Francesco Moriondo

UNIVERSITA DI PADOVA, DIPARTIMENTO TERRITORIO E SISTEMI AGRO-FORESTALI, SEZIONE RISORSE IDRICHE E DIFESA DEL SUOLO

Via Gradenigo, 6
35131 Padova

Tel: 3949-8071955
Fax: 3949-8070615
Cable: AGRAOS UNIPAD. UNIPD.IT

Number of graduate staff: 007

Establishment date: 1967

Main research areas: hydrology, forestry, watersheds, soils, silviculture, forest management, forest policy, mechanization, forest products, land-use policy

Director: Michele Cera

UNIVERSITA OF CASSINO, FACULTY OF ECONOMICS AND COMMERCE

Via Mazzaroppi
103043 Cassino

Tel: 39776-311617
Fax: 39776-310892

Number of graduate staff: 003

Main research areas: forest products, afforestation, forest policy, economics, environment

Director: Massimo Sabbatini

JAPAN

FORESTRY AND FOREST PRODUCTS RESEARCH INSTITUTE (FFPRI)**Matsurosato Kukizaki, Ibaraki****Ibaraki Prov. 305**

Tel: 001-0298-733211

Fax: 001-0298-743720

Number of graduate staff: 500**Establishment date: 1905****Main research areas: afforestation, biology, biotechnology, forest management, environment, forest products, soils, ecology, genetic resources, remote sensing, seeds****Director-General: Masaki Katuda****FORESTRY AND FOREST PRODUCTS RESEARCH INSTITUTE,****TOHOKU RESEARCH CENTRE****72, Nabeyashiki, Shimo-kuriyagawa, Morioka-shi****Iwate, 020-01**

Tel: 081-0196-41-2150

Fax: 081-0196-41-6747

Number of graduate staff: 027**Establishment date: 1930****Main research areas: forestry, natural forests, ecology, silviculture, soils, conservation, forest management, remote sensing****Director: Osamu Sasaki****HOKKAIDO FOREST PRODUCTS RESEARCH INSTITUTE****1-10 Nishikagura****Asahikawa, Hokkaido 071-01**

Tel: 166-754233

Fax: 166-753621

Number of graduate staff: 066**Establishment date: 1950****Main research areas: wood technology, product development, forest products****Chief: Koshio Nakagawa****HOKKAIDO FORESTRY RESEARCH INSTITUTE****Koshunai****Bibai, Hokkaido 079-01**

Tel: 1266-34164

Fax: 1266-34166

Number of graduate staff: 045**Establishment date: 1957****Main research areas: forestry****Director-General: Shigeo Yamauchi**

HYOGO PREFECTURAL FOREST EXPERIMENT STATION

**Ikaba, Yamasaki-cho
Shiso-gun, Hyogo-ken**

**Tel: 790-622118
Fax: 790-629390**

Number of graduate staff: 015

Establishment date: 1934

**Main research areas: silviculture, tree improvement, protection,
non-wood forest products, conservation**

Director: Yasushi Sakaguchi

IBARAKI PREFECTURAL FOREST EXPERIMENT STATION

**4, 692 Toh, Naka-machi
Naka-gun, Ibaraki 311-01**

**Tel: 292-980257
Fax: 292-951325**

Number of graduate staff: 011

Establishment date: 1955

**Main research areas: tree improvement, silviculture and
management, pests, non-wood forest products**

Head of Station: Tadashi Kanekawa

ISHIKAWA FOREST EXPERIMENT STATION

**Sannomiya, Isurugi-machi
Ishikawa-gun, Ishikawa-ken**

**Tel: 7619-20673
Fax: 7619-20812**

Number of graduate staff: 009

Establishment date: 1962

Main research areas: forestry

Director: Tsuneo Yamamoto

IWATE UNIVERSITY, DEPARTMENT OF FORESTRY

**3-18-8 Veda
Morioka, Iwate**

**Tel: 196-235171
Fax: 196-257667**

Number of graduate staff: 020

Establishment date: 1902

Main research areas: forestry, forest products

Director:

JAPAN FOREST TECHNICAL ASSOCIATION

7, Rokubancho
Chiyoda-ku,

Tel: 813-32613866
Fax: 813-32616849
Telex: 02323315 (KOSCO J)

Number of graduate staff: 080

Establishment date: 1921

Main research areas: remote sensing, watersheds, land-use policy

President: Ikuo Suzuki

JAPAN WILDLIFE RESEARCH CENTRE

Yusima 2-29-3
Bunkyo-ku, Tokyo 113

Tel: 813-38138806
Fax: 813-38138958

Number of graduate staff: 030

Establishment date: 1978

Main research areas: wildlife

Director of Research: Taisitiroo Satoo

**KYOTO UNIVERSITY, FACULTY OF AGRICULTURE, DEPARTMENT OF
WOOD SCIENCE AND TECHNOLOGY**

Kitashirakawa Oiwake-cho
Sakyo-ku, Kyoto 606-01

Tel: 8175-7536230
Fax: 8175-7536300

Number of graduate staff: 023

Establishment date: 1965

Main research areas: wood technology, wood processing, wood chemistry

Dean: Kazutake Kyuma

KYOTO UNIVERSITY, WOOD RESEARCH INSTITUTE

Gokasho
Uji, Kyoto 611

Tel: 81774-323111 x.2502
Fax: 81774-333049
Telex: 5453 638 UCLKU J

Number of graduate staff: 027

Establishment date: 1944

Main research areas: wood technology, wood chemistry, chemical products, product development, energy, environment, engineering, biotechnology, charcoal, fire, forest products

Director: Hikaru Sasaki

MATERIALS SCIENCE AND TECHNOLOGY OF NATURAL PRODUCTS**1060 Nishi, Kawatsu-cho****Matsue Shimane 690**

Tel: 852-217100

Fax: 852-277005

Number of graduate staff: 007**Establishment date: 1965****Main research areas: wood technology****Chief of Research:****IMITSUBISHI KASEI CORPORATION RESEARCH CENTRE,****AGRICULTURAL CHEMICALS LABORATORY****1000 Kamoshida-cho****Midori-ku, Yokohama 227**

Tel: 45-9633510

Fax: 45-9633897

Number of graduate staff: 040**Establishment date: 1950****Main research areas: protection, biology, physiology****Director: Setsnosuke Ueda****NAGASAKI AGRICULTURAL AND FORESTRY EXPERIMENT STATION****3118 Aizu-machi****Isahaya-shi, Nagasaki 854**

Tel: 81957-263330

Fax: 81957-269197

Number of graduate staff: 006**Establishment date: 1961****Main research areas: conservation, protection, wood technology, forest health, non-wood forest products****Director: Tsuyoshi Tasaki****NAGOYA UNIVERSITY, SCHOOL OF AGRICULTURE , DEPARTMENT OF FORESTRY****Chikusa-ku, Nagoya 464-01**

Tel: 52-7815111

Fax: 52-7814447

Telex: 4422120 ANUNAG J

Number of graduate staff: 015**Establishment date: 1951****Main research areas: silviculture and management, watersheds, protection****Professor: Noboru Morioka**

NIIGATA PREFECTURAL FOREST EXPERIMENT STATION**2249-5 Unotoro, Asahi-mura****Iwafune-gun, Niigata 958**

Tel: 254-721171

Fax: 254-720019

Number of graduate staff: 010**Establishment date: 1952****Main research areas: forestry, biotechnology, ecology, entomology, environment, genetic resources, non-wood forest products, nursery, protection, silviculture and management****Chief: Mesao Noomote****NIIGATA UNIVERSITY, FACULTY OF AGRICULTURE, DEPARTMENT OF FORESTRY****8050 Igarachi 2. nochō****Niigata City 950-21**

Tel: 25-2626630

Fax: 25-2631659

Number of graduate staff: 013**Establishment date: 1979****Main research areas: silviculture and management, mensuration, wood chemistry, watersheds****Chief: Jiro Endo****OKAYAMA FOREST EXPERIMENT STATION****Uetsukinaka 1001, Shouou-chou****Katsuta-gun, Okayama 709-13**

Tel: 868-383151

Fax: 868-383152

Number of graduate staff: 007**Establishment date: 1952****Main research areas: protection, ecology, silviculture, tree improvement, landscape architecture, non-wood forest products****Director: Shigeyuki Andou****OSAKA PREFECTURAL AGRICULTURAL AND FORESTRY RESEARCH CENTRE (OAFRC)****442 Shakudo****Habikino-shi, Osaka 583**

Tel: 729-586551

Fax: 729-569691

Number of graduate staff: 061**Establishment date: 1963****Main research areas: agriculture, forestry, ecology, forest policy****Director: Takao Hirano**

SHIGA FOREST RESEARCH CENTRE**Kitasakura 978-95****Yasu, Shiga 520-23**

Tel: 775-872655

Fax: 775-876527

Number of graduate staff: 004**Establishment date: 1966****Main research areas: tree improvement, protection, non-wood forest products****Director: Yotsugi Nishimura****SHINSHU UNIVERSITY, FACULTY OF AGRICULTURE, DEPARTMENT****OF FOREST SCIENCE****8304 Minamiminowa****Kamina, Nagano 399-45**

Tel: 265-725255

Fax: 265-725259

Number of graduate staff: 025**Establishment date: 1948****Main research areas: conservation, forest products****Director of Forest Research: Seigo Ito****SIZUOKA PREFECTURE FORESTRY AND FOREST PRODUCTS****RESEARCH INSTITUTE****2543-8 Negata****Hamakita 434**

Tel: 539-253121

Fax: 539-261275

Number of graduate staff: 017**Establishment date: 1957****Main research areas: forestry, forest products****Director: Harumitsu Maejima****UNIVERSITY OF TOKYO, FACULTY OF AGRICULTURE, DEPARTMENT****OF FOREST PRODUCTS****1-1-1 Yayoi****Bunkyo-ku, Tokyo 113**

Tel: 813-38122111

Fax: 813-56840299

Number of graduate staff: 022**Establishment date: 1956****Main research areas: silviculture and management, botany, wildlife, forest policy, forest products, hydrology, landscape architecture****Director: Takeshi Okano**

**UNIVERSITY OF TOKYO, FACULTY OF AGRICULTURE, DEPARTMENT
OF FORESTRY**

1-1 Yayoi

Bunkyo-ku, Tokyo 113

Tel: 813-38122111 x.5200

Fax: 813-56893845

Number of graduate staff: 031

Establishment date: 1890

Main research areas: wood technology, wood chemistry, pulp and paper, watersheds

Head: Kazuo Suzuki

**UNIVERSITY OF TSUKAUBA, COLLEGE OF AGRICULTURE AND
FORESTRY**

1-1-1 Tennodai

Tsukuba-shi, Ibaraki-ken 305

Tel: 298-532111

Fax: 298-534761

Number of graduate staff: 018

Establishment date: 1973

Main research areas: silviculture and management, forest policy, forest products, watersheds, wood technology, chemical products

Dean: Atsushi Tada

**UTSUNOMIYA UNIVERSITY, FACULTY OF AGRICULTURE,
DEPARTMENT OF FOREST SCIENCE**

350 Minemachi

Utsunomiya 321, Tochigi

Tel: 286-361515

Fax: 286-354662

Number of graduate staff: 014

Establishment date: 1991

Main research areas: silviculture and management, ecology, forest policy, forest products, economics, watersheds

Chief: Y. Suzuki

KENYA**INTERNATIONAL COUNCIL FOR RESEARCH IN AGROFORESTRY**

(ICRAF)
P.O. Box 30677
Nairobi

Tel: 2542-521450
Fax: 2542-521001
Telex: 22048 ICRAF
Cable: ICRAF

Number of graduate staff: 060

Establishment date: 1978

Main research areas: agroforestry, multi-purpose trees, forest policy, land-use policy

Director: Peter Cooper

KENYA FORESTRY RESEARCH INSTITUTE, FORESTRY SEED

CENTRE
P.O. Box 20412
Nairobi

Tel: 25414-32891,2
Fax: 25414-32844

Number of graduate staff: 005

Establishment date: 1985

Main research areas: seeds

Director: Jeff Odera

MOI UNIVERSITY, DEPARTMENT OF FORESTRY

P.O. Box 3900
Eldoret

Tel: 321-63111/43620
Fax: 321-43047
Telex: MOIVARSITY 35047

Number of graduate staff: 015

Establishment date: 1985

Main research areas: economics, harvesting, pathology, tree improvement, mensuration, silviculture and management

Head of Department: Harrison Ochieng Kojwang

KOREA, REPUBLIC OF**FORESTRY RESEARCH INSTITUTE**

207 Chongyangni-dong, Tongdaemun-gu
Seoul 130-012

Tel: 2-96125225
Fax: 2-9675101

Number of graduate staff: 186

Establishment date: 1945

Director-General: Jae Myeung Jo

SEOUL NATIONAL UNIVERSITY, DEPARTMENT OF FORESTRY**Suwon****Kyonggido 441-744**

Tel: 331-2902320

Fax: 331-2931797

Number of graduate staff: 008**Establishment date: 1945****Main research areas: silviculture and management, ecology, economics, watersheds, botany****Chairman: Jung Oh Hyun****LAOS****DEPARTMENT DES FORETS, DIVISION NATIONALE DE LA CONSERVATION DE LA NATURE ET DES BASSINS VERSANTS****P.O. Box 2932****Vientiane**

Tel: 3807

5539

Chef Principal de la Division: Vongkamchandr Phouy**LATVIA****INSTITUTE OF WOOD CHEMISTRY****Dzerbenes iela 27****Riga 6-LV-1006**

Tel: 7-0132-553063/558945

Fax: 7-0132-0555983

Number of graduate staff: 170**Establishment date: 1946****Main research areas: biotechnology, chemical products, product development, protection, pulp and paper, wood chemistry, wood processing, wood technology****Director Uldis Viesturs****LESOTHO****FORESTRY RESEARCH, FORESTRY DIVISION****P.O. Box 776****Maseru 100**

Tel: 322826

Fax: 310349

Telex: 4414 SADCC LO

Number of graduate staff: 003**Establishment date: 1985****Main research areas: tree improvement, seeds, silviculture, mensuration, social forestry, environment, forestry****Forestry Research Officer: Nchomo Maile**

LITHUANIA**LITHUANIAN FOREST RESEARCH INSTITUTE**

Girionys, Kaunas Region
4312

Tel: 0127-744460
Fax: 0127-547446

Number of graduate staff: 035

Establishment date: 1950

Main research areas: ecology, economics, environment, forestry,
inventory, protection, silviculture, soils, wildlife

Director: Albertas Vasiliauskas

LUXEMBOURG**CENTRE D'ETUDES DE POPULATIONS, DE PAUVRETE ET DE
POLITIQUES SOCIO-ECONOMIQUES (CEPS/INSTED)**

B.P. 65

L-7201 Walferdange

Tel: 352-333233/1
Fax: 352-332705

Number of graduate staff: 026

Establishment date: 1982

Main research areas: forestry, land-use policy, environment,
economics

Président: G. Schaber

MADAGASCAR**CENTRE NATIONAL DE LA RECHERCHE APPLIQUEE AU
DEVELOPPEMENT RURAL**

B.P. 1690
Antananarivo 101

Tel: 25676

Number of graduate staff: 121

Establishment date: 1974

Main research areas: tree improvement, silviculture, soils, wood
technology, wildlife, agriculture, pathology

Directeur Général: François Rasolo

MALAWI**ENERGY STUDIES UNIT**

P.O. Box 30452

Lilongwe 3

Tel: 265-722755

Fax: 265-784268

Telex: 44465 FORENAR MI

Number of graduate staff: 003

Establishment date: 1980

Main research areas: energy, economics, charcoal, fuelwood

Senior Energy Officer: Lewis B. Mhango

FOREST RESEARCH INSTITUTE OF MALAWI

P.O. Box 270

Zomba

Tel: 265-522866 x.548

Fax: 265-522

Telex: 43533

Number of graduate staff: 010

Establishment date: 1957

Main research areas: silviculture, tree improvement, protection, soils, wood technology, seeds

Assistant Chief Forestry Officer: L.A. Sitaubi

MALAYSIA**DEPARTMENT OF FORESTRY SABAH, FOREST RESEARCH CENTRE**

P.O. Box 1407

90008 Sandakan, Sabah

Tel: 6089-531322

Fax: 6089-531068

Telex: MA 82016

Number of graduate staff: 015

Establishment date: 1974

Main research areas: natural forests, plantations, forest products, botany, ecology, entomology, hydrology, pathology, silviculture, vegetative propagation

Senior Research Officer: Lee, Ying Fah

DEPARTMENT OF FORESTRY SARAWAK, FOREST RESEARCH CENTRE

93660 Kuching, Sarawak

Tel: 6082-442180

Fax: 6082-441377

Cable: FORESTRY

Number of graduate staff: 011

Establishment date: 1951

Main research areas: silviculture, agroforestry, botany, soils, protection, ecology

Assistant Director: H.S. Lee

DEPARTMENT OF FORESTRY SARAWAK, SILVICULTURE RESEARCH**OFFICE****Alan Road****96000 Sibu Sarawak**

Tel: 6804-311637

Fax: 6804-310542

Cable: SRO FORESTRY

Number of graduate staff: 001**Establishment date: 1965****Main research areas: silviculture, natural forests, plantations,
vegetative propagation****Forest Silviculture: Ernest O.K. Chai****DEPARTMENT OF FORESTRY SARAWAK, TIMBER RESEARCH AND
TECHNICAL TRAINING CENTRE****93660 Kuching Sarawak**

Tel: 6082-612211

Fax: 6082-612490

Number of graduate staff: 007**Establishment date: 1968****Main research areas: forest products, pulp and paper, wood
chemistry, wood processing, wood technology****Assistant Director: John S K. Cheng****FOREST RESEARCH INSTITUTE MALAYSIA****Kepong****52109 Kuala Lumpur**

Tel: 603-6342633

Fax: 603-6367753

Telex: FRIM-MA-27007

Number of graduate staff: 105**Establishment date: 1929****Main research areas: natural forests, plantations, environment,
protection, wood technology, product development, non-wood
forest products****Director-General: M.N. Salleh****UNIVERSITI PERTANIAN MALAYSIA, FACULTY OF FORESTRY****43400 UPM****Serdang**

Tel: 603-9486101

Fax: 603-9483745

Telex: MA 37454 UNIPER

Number of graduate staff: 032**Establishment date: 1971****Main research areas: forest management, forest products, urban
forestry, natural forests, plantations****Dean: Nik Muhamad Nik Majid**

MALI**INSTITUT D'ECONOMIE RURALE (IER)**

Tel: 223-222606

Fax: 223-227637

Number of graduate staff: 202

Establishment date: 1991

Main research areas: agriculture, forestry, environment,
hydrology, land-use policy

Directeur General: Mamadou Goita

MAURITIUS**MINISTRY OF AGRICULTURE, FISHERIES AND NATURAL
RESOURCES, FORESTRY SERVICE**

Botanical Garden Street

Curepipe

Tel: 6754966

Number of graduate staff: 003

Main research areas: forestry, ecology

Conservator of Forests: A.W. Owadally

MEXICO**CENTRO DE INVESTIGACION REGIONAL DEL SURESTE. INSTITUTO
NACIONAL DE INVESTIGACIONES FORESTALES Y**

AGROPECUARIAS (SARH)

calle 62, 462 x 55 Depto.209

Mérida

Yucatán CP. 97000

Tel: 99-286652

Fax: 99-239303

Number of graduate staff: 023

Establishment date: 1985

Main research areas: forest management, plantations, tree
improvement, plantations, seeds, agroforestry

Regional Director: Fernando Patiño Valera

**CENTRO DE INVESTIGACIONES ECOLOGICAS DEL SURESTE Y
CONSORCIO PARA LA CONSERVACION DE RECURSOS
NATURALES**

Carretera Panamericana
Apartado Postal 63
292090 San Cristóbal de las Casas
Chiapas

Tel: 919611-81883/81884
Fax: 919611-82322

Number of graduate staff: 003

Establishment date: 1974

Main research areas: ecology, conservation, agriculture,
silviculture, biodiversity, environment, forestry, GIS,
horticulture

Director: Pablo Farias Campero

**CENTRO DE INVESTIGACIONES FORESTALES, AGRICOLAS Y
PECUARIAS DE LA REGION CENTRAL**

Apartado Postal 10
Chapingo

Tel: 595-42877 x.144
Fax: 595-42188

Number of graduate staff: 016

Establishment date: 1932

Main research areas: forest management, plantations, soils, forest
products, marketing, agroforestry

Director: Rodrigo Aveldaño Salazar

COLEGIO DE POSTGRADUADOS, PROGRAMA ACADEMICO

INTERDISCIPLINARIO FORESTAL
km. 35.5 Carretera México-Texcoco
Montecillo

Tel: 91595-45265
Fax: 91595-45723

Number of graduate staff: 016

Establishment date: 1959

Main research areas: silviculture and management, genetic
resources, economics, physiology

Vocal Ejecutivo: Santiago Daniel Sánchez Avila

INSTITUTO DE BIOLOGIA, UNAM**Circuito Exterior, C.U.****Deleg. Gogocan****México D.F. 04510****Tel: 525-6225710****Fax: 5488207****Number of graduate staff: 155****Establishment date: 1929****Main research areas: biodiversity, botany, conservation, ecology, entomology, genetic resources, GIS, natural forests, seeds, wildlife****Director: Antonio Lot Helgueras****INSTITUTO DE ECOLOGIA, A.C.****Apartado Postal 63****km 2.5 Antigua Carretera a Coatepec****91000 Xalapa, Veracruz****Tel: 91281-86000****Fax: 91281-86910****Telex: 015542 INRBME****Number of graduate staff: 070****Establishment date: 1975****Main research areas: ecology, wildlife, conservation, biotechnology, soils, biometeorology, wood technology, arboreta****Director General: Gonzalo Halffter S.****INSTITUTO NACIONAL DE INVESTIGACIONES FORESTALES Y AGROPECUARIAS****Insurgentes Sur 694****Col. del Valle****C.P. 03100****Mexico D.F.****Tel: 6877474****Fax: 5363842****Number of graduate staff: 200****Establishment date: 1952****Main research areas: forest management, agroforestry, product development****Vocal de la Division Forestal: Hugo Manzanilla****LABORATORIO DE CIENCIA Y TECNOLOGIA DE LA MADERA****(LACITEMA)****Apartado Postal 459****C.P. 91000 Xalapa****Veracruz****Tel: 52281-63275****Fax: 52281-63275****Number of graduate staff: 003****Establishment date: 1989****Main research areas: wood technology****Director General: Ramón Echenique-Manrique**

SARH, CENTRO DE EDUCACION Y CAPACITACION FORESTAL N°1**Avenida Revolución 2****Col. Emiliano Zapata****Tel: 91452-43483/40851****Establishment date: 1953****Main research areas: forest management, product development****Director: Héctor Manuel Armendáriz Payán****UNIVERSIDAD AUTONOMA AGRARIA "ANTONIO NARRO",****DEPARTAMENTO FORESTAL****C.P. 25315****Buenavista, Saltillo****Coahuila****Tel: 91841-73022****Fax: 91841-73063****Telex: 381128 CIZAME****Number of graduate staff: 011****Establishment date: 1979****Main research areas: seeds, nursery, plantations, non-wood forest products, genetic resources, protection, wildlife****Director de Investigación: Jorge González Domínguez****UNIVERSIDAD AUTOTONOMA DE NUEVO LEON, FACULTAD DE****CIENCIAS FORESTALES****Apartado Postal 41****C.P. 67 700 Linares, N.L.****Tel: 91821-24895****Fax: 91821-24505****Telex: 382989 UANLME****Number of graduate staff: 027****Establishment date: 1983****Main research areas: forest products, agroforestry, ecology, wood technology, wildlife, botany, protection****Director: José Alanis Flores****UNIVERSIDAD DE GUADALAJARA, INSTITUTO DE MADERA,****CELULOSA Y PAPEL "ING. KARL AUGUSTIN GRELLMANN"****Apartado Postal 4-120****Guadalajara****Jal. 44000****Tel: 9136-137659/137660****Fax: 9136-137661****Telex: 0681744****Number of graduate staff: 030****Establishment date: 1974****Main research areas: silviculture, soils, protection, ecology, nursery, symbiotic associations, inventory, biotechnology, pulp and paper, wood technology****Director: Felipe de J. Ramirez Cano**

UNIVERSIDAD NACIONAL AUTONOMA, INSTITUTO DE BIOLOGIA

**Ciudad Universitaria
Delegación de Coyoacan
04510 Mexico, D.F.**

**Tel: 91821-5505002
Fax: 91821-5488207**

Number of graduate staff: 148

Establishment date: 1929

Main research areas: biology, biotechnology, pathology, ecology, conservation, protection

Director: Antonio Lot Helgueras

MOROCCO**DIVISION DE RECHERCHES ET D'EXPERIMENTATIONS**

**FORESTIERES (DREF)
Charia Omar Ibn Al Khattab
B.P. 763
Rabat-Agdal**

**Tel: 2127-770547
Fax: 212-7-773830
Telex: 36992 M**

Number of graduate staff: 025

Establishment date: 1934

Main research areas: silviculture and management, tree improvement, protection, wildlife, livestock management, forestry

Directeur de la DREF: Omar M'Hirit

MYANMAR**FOREST RESEARCH INSTITUTE**

**Yezin
Pyinmana**

Number of graduate staff:

Establishment date: 1978

Main research areas:

Director:

NAMIBIA**DIRECTORATE OF FORESTRY****P.B. 13184****Windhoek**

Tel: 61-221478

Fax: 61-222830

Number of graduate staff: 002**Establishment date: 1991****Main research areas: agroforestry, fire, silviculture and management, tree improvement, protection****Deputy Director (Research): M.A.N. Muller****NEPAL****DEPARTMENT OF FORESTRY AND PLANT RESEARCH, FOREST****RESEARCH DIVISION****P.O. Box 3339****Babar Mahal, Kathmandu**

Tel: 9771-220479

Fax: 9771-411789

Telex: 2343 BRITEM NP

Number of graduate staff: 015**Establishment date: 1964****Main research areas: silviculture and management, soils, social forestry, natural forests, plantations, agroforestry, multi-purpose trees, nursery, non-wood forest products****Deputy Director-General: Kedar Prasad Prajapati****INSTITUTE OF AGRICULTURE AND ANIMAL SCIENCE****Rampur****Chitwan, Narayani Zone**

Tel: 56-21211

Number of graduate staff: 004**Establishment date: 1972****Main research areas: agroforestry, social forestry, nursery****Director: Fanindra Prasal Neapane**

NETHERLANDS**BUILDING AND CONSTRUCTION RESEARCH CENTRE/CENTRE FOR
TIMBER RESEARCH (TNO)****P.O. Box 49****2600 AA Delft****Tel: 3115-842000****Fax: 3115-843990****Number of graduate staff: 010****Establishment date: 1932****Main research areas: wood technology, wood chemistry, product development****Director: J. Witteveen****DELFIT UNIVERSITY OF TECHNOLOGY, FACULTY OF CIVIL****ENGINEERING, STEVIN LABORATORY****P.O. Box 5048****2600 GA Delft****Tel: 3115-781837****Fax: 3115-611465****Telex: 38151 BUTUD NL****Number of graduate staff: 008****Establishment date: 1864****Main research areas: product development****Professor: T.A.C.M. van der Put****FOUNDATION FOR FOREST AND FOREST PRODUCTS****P.O. Box 253****6700 AG Wageningen****Tel: 318370-24666****Fax: 318370-10247****Number of graduate staff: 004****Establishment date: 1965****Main research areas: forest policy, economics, forest products, marketing****Director: J.M. Dielen****INSTITUTE FOR FORESTRY AND NATURE RESEARCH (DHO)****P.O. Box 23****6700 AA Wageningen****Tel: 8370-95111****Fax: 8370-24988****Telex: 45055 DORSK NL****Number of graduate staff: 076****Establishment date: 1947****Main research areas: forestry, natural forests****Chief: A.B.J. Sepus**

**INTERNATIONAL INSTITUTE FOR AEROSPACE SURVEY AND EARTH
SCIENCE (ITC)**
P.O. Box 6
7500 AA Enschede

Tel: 53-874444
Fax: 53-874400
Telex: 44525 ITC NL
Cable: AERSUR

Number of graduate staff: 200
Establishment date: 1951
Main research areas: conservation, remote sensing, gis
Research Coordinator for Conservation of Tropical Rain Forests:
W. van Wyngaarden

RIJKSHERBARIUM/HORTUS BOTANICUS
P.O. Box 9514
2300 RA Leiden

Tel: 3171-273515
Fax: 3171-273511
Telex: 39427 BURUL NL

Number of graduate staff: 026
Establishment date: 1829
Main research areas: botany, horticulture
Scientific Director: P. Baas

RIJKSWATERSTAAT, DIRECTORATE FLEVOLAND
P.O. Box 600
8200 AP Lelystad

Tel: 3200-99111
Fax: 3200-34300

Number of graduate staff: 015
Establishment date: 1989
Main research areas: ecology, soils, hydrology, agriculture,
remote sensing
Head of Research Department: K.S. Geitsma

TROPENBOS FOUNDATION
P.O. Box 232
6700 AE Wageningen

Tel: 318370-26262
Fax: 318370-23024

Number of graduate staff: 003
Establishment date: 1988
Main research areas: biodiversity, ecology, forest management,
forestry, gis, hydrology, land-use policy, non-wood forest
products, soils, vegetative propagation
Director: E.M. Lammerts Van Bueren

UNIVERSITY OF GRONINGEN, DEPARTMENT OF PHYSICAL
GEOGRAPHY

Kerklaan 30
9751 NN Haren

Tel: 3150-636133
Fax: 3150-635205
Telex: 53410 RUGRO NL

Number of graduate staff: 008

Establishment date: 1975

Main research areas: hydrology, biometeorology

Head of Department: A.W.L. Veen

WAGENINGEN AGRICULTURAL UNIVERSITY, DEPARTMENT OF
FORESTRY

P.O. Box 342
6700 AH Wageningen

Tel: 318370-84426
Fax: 318370-83542
Telex: 45015 BLUWG NL

Number of graduate staff: 045

Establishment date: 1883

Main research areas: ecology, silviculture and management, soils,
wood technology, forest policy

Professors: A. van Maaren and R.A.A. Oldeman

NEW CALEDONIA

CENTRE DE NOUVELLE-CALEDONIE, CENTRE TECHNIQUE
FORESTIER TROPICAL

B.P. 10.001
Nouméa

Tel: 687-274855/284105
Fax: 687-284927

Number of graduate staff: 002

Establishment date: 1972

Main research areas: silviculture and management, tree
improvement, afforestation

Directeur: M. Loïc Crémière

NEW ZEALAND**NZ FOREST RESEARCH INSTITUTE Ltd****Private Bag 3020****Rotorua****Tel: 64-7-3745899****Fax: 64-7-3479380****Number of graduate staff: 200****Establishment date: 1947****Main research areas: silviculture and management, economics, protection, ecology, forest products, pulp and paper, wood technology, harvesting, mensuration****Chief Director: Frank Wood****UNIVERSITY OF CANTERBURY, SCHOOL OF FORESTRY****Private Bag****Christchurch****Tel: 3-642127****Fax: 3-642124****Number of graduate staff: 030****Establishment date: 1970****Main research areas: wood technology, forestry****Head, School of Forestry: G.B. Sweet****NIGER****DEPARTEMENT DES RECHERCHES FORESTIERES (INRAN)****B.P. 429****Niamey****Tel: 722714/722729****Fax: 724956****Telex: 5481 NY****Number of graduate staff: 002****Establishment date: 1975****Main research areas: tree improvement, agroforestry, forest management****General Director: Mamadou Ouhara****INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID****TROPICS (ICRISAT), CENTRE SAHELien****B.P. 12404****Niamey****Tel: 227/722725****Fax: 227/734329****Telex: 5406****Number of graduate staff: 024****Establishment date: 1981****Main research areas: agroforestry****Directeur Exécutif: C. Renard**

NIGERIA

BAYERO UNIVERSITY, GEOGRAPHY DEPARTMENT**PMB 3011****Kano****Cable: Unibayero, Kano****Number of graduate staff: 013****Establishment date: 1973****Main research areas: fuelwood, land-use policy****Head of Department: E.A.Olofin****FORESTRY RESEARCH INSTITUTE OF NIGERIA****Forestry Hill****PMB 5054****Ibadan****Tel: 22-414441/414073****Telex: 31207****Cable: FORSEARCH****Number of graduate staff: 065****Establishment date: 1954****Main research areas: agroforestry, wildlife, forest products, forestry****Director: Philip R.O. Kio****UNIVERSITY OF IBADAN, DEPARTMENT OF AGRICULTURAL****ENGINEERING, WOOD PRODUCTS ENGINEERING UNIT****Ibadan****Tel: 22-405500****Number of graduate staff: 003****Establishment date: 1948****Main research areas: chemical products, wood technology, energy, pulp and paper****Head of Department: F.O. Aboaba****USMANU DANFONYO UNIVERSITY, FACULTY OF AGRICULTURE,
DEPARTMENT OF FORESTRY AND FISHERIES****Tel: 60-232058****Telex: 73134 UDUSOK****Cable: UDUSOKOTO****Number of graduate staff: 005****Establishment date: 1980****Main research areas: silviculture, forestry****Head of Department: A.M. Awodola**

NORWAY**AGRICULTURAL UNIVERSITY OF NORWAY, DEPARTMENT OF****FORESTRY****P.O. Box 5044****N-1430 Ås****Tel: 47-64948880****Fax: 47-64948890****Telex: 77125 NLHBI****Number of graduate staff: 025****Establishment date: 1898****Main research areas: silviculture and management, wood technology, harvesting, economics****Head of Department: Asbjorn Svendsrud****NORSK TRETEKNICK INSTITUTT****Forskningsveien 3B****0314 Oslo****Tel: 2-965500****Fax: 2-604291****Number of graduate staff: 017****Establishment date: 1949****Main research areas: wood technology, wood processing****Research Director: Rolf Birkeland****NORWEGIAN FOREST RESEARCH INSTITUTE****Høgskoleveien 12****N-1432 Ås****Tel: 9-949000****Fax: 9-942980****Number of graduate staff: 050****Establishment date: 1917****Main research areas: ecology, silviculture, protection, harvesting, wood technology, economics****Director: Hans-Olav Moen****NORWEGIAN PULP AND PAPER RESEARCH INSTITUTE****P.O. Box 115 Vinderen****0319 Oslo 3****Tel: 472-140090****Fax: 472-468014****Telex: 78171****Number of graduate staff: 018****Establishment date: 1923****Main research areas: pulp and paper****Managing Director: Kristen Fretheim**

PAKISTAN**ATOMIC ENERGY AGRICULTURAL RESEARCH CENTRE****Tando Jam**

Tel: 221-40468,40478

Cable: AGRATOM

Number of graduate staff: 060

Establishment date: 1963

Main research areas: silviculture, forest health, tree improvement, soils, entomology

Director: A.R. Azmi

NUCLEAR INSTITUTE FOR AGRICULTURE AND BIOLOGY (NIAB)

P.O. Box 128

Jhang Road

Faisalabad 38000

Tel: 92-0411-619726/30

Telex: 43356 NIAB PK

Cable: NIAB

Number of graduate staff: 101

Establishment date: 1972

Main research areas: agriculture, entomology, soils, ecology, environment, hydrology, pathology, physiology, nutrition, pests

Director: S.H. Mujtaba Naqvi

PAKISTAN FOREST INSTITUTE

Tel: 0521-40580

Fax: 0521-42457

Telex: PAKFI

Number of graduate staff: 068

Establishment date: 1947

Main research areas: forestry, forest products

Director-General: K.M. Siddiqui

PANAMA**INSTITUTO NACIONAL DE RECURSOS, NATURALES RENOVABLES**

(INRENARE)

Paraiso - ANCON- apartado #2016

Panama

Tel: 32-4870,4518

Fax: 32-4975

Cable: 32-4377

Number of graduate staff: 005

Establishment date: 1986

Main research areas: protection, agroforestry, forest products, seeds, tree improvement

Jefe del Proyecto: Daisy Gonzales

PAPUA NEW GUINEA**FOREST RESEARCH INSTITUTE****P.O. Box 314****Lae****Tel: 675-424188****Fax: 675-424357****Number of graduate staff: 025****Establishment date: 1989****Main research areas: forest management, forest products, protection, botany****Director: P.B.L. Srivastava****PARAGUAY****INSTITUTO NACIONAL DE TECNOLOGIA Y NORMALIZACION (INTN)****Avenida General Artigas y General Roa****C.C. 967****Asunción****Tel: 290160/290516****Fax: 290873****Telex: 22910****Cable: INTN****Number of graduate staff: 003****Establishment date: 1963****Main research areas: entomology, charcoal, forest products, fuelwood, wood processing, wood technology****Director General: Sergio Guarani von Horoch****PERU****INSTITUTO DE INVESTIGACIONES DE LA AMAZONIA PERUANA (IIAP)****Avenida Abelardo Quiñonez km 2.5****Tel: 51094-232915/231579****Fax: 51094-235527****Telex: 91085 PE-IIAPIQ****Number of graduate staff: 080****Establishment date: 1980****Main research areas: soils, wildlife, genetic resources, economics, hydrology, biology****President: Roger Benzeville Zumaeta**

INSTITUTO NACIONAL DE INVESTIGACION AGRARIA Y**AGROINDUSTRIAL (INIAA)****Avenida La Universidad S/N****La Molina, Lima 12**

Tel: 5114-350141

Fax: 5114-361283

Number of graduate staff: 016**Establishment date: 1978****Main research areas: silviculture and management, genetic resources, conservation, wood processing, wood technology, silviculture, plantations, agroforestry, wildlife****Director General: Humberto Tasaico****PHILIPPINES****CENTRAL MINDANAO UNIVERSITY, COLLEGE OF FORESTRY****University Town****Musuan, Bukidnon****Number of graduate staff: 023****Establishment date: 1963****Main research areas: agroforestry, multi-purpose trees, silviculture****Dean, College of Forestry: Amado M. Exile, Jr.****VISAYAS STATE COLLEGE OF AGRICULTURE, DEPARTMENT OF FORESTRY****Visca, Babay****Leyte Tel: 632-5212027/99867****Fax: 632-588692****Number of graduate staff: 011****Establishment date: 1974****Main research areas: agroforestry, afforestation, biodiversity conservation, multi-purpose trees, ecology, silviculture and management, watersheds, forestry****President: Marianto R. Villanueva****ECOSYSTEMS RESEARCH AND DEVELOPMENT BUREAU (ERDB)****Los Baños****College, Laguna 4031****Tel: 6394-3221/3481****Fax: 6394-3628****Number of graduate staff: 131****Establishment date: 1974****Main research areas: natural forests, forest management, forestry, fuelwood, non-wood forest products, plantations, protection, social forestry, watersheds, wildlife****Director: Carlos C. Tomboc**

FOREST PRODUCTS RESEARCH AND DEVELOPMENT INSTITUTE**College, Laguna 4031**

Tel: 2360/2377

Telex: PARRS PM 40860

Number of graduate staff: 190**Establishment date: 1954****Main research areas: wood technology, pulp and paper, chemical products, product development, marketing****Director: Emmanuel D. Bell****GEOBION SPECIALISTS ASSOCIATION, INC****Malacampa, Camiling****c/o L.T. Salvador****Tarlac 2306****Number of graduate staff: 015****Main research areas: agroforestry, environment, forest management, inventory, land-use policy, multi-purpose trees, plantations, watersheds****President: Luzon T. Salvador****ISABELA STATE UNIVERSITY, COLLEGE OF FORESTRY****Garita Heights****Cabagan, Isabela****Number of graduate staff: 035****Establishment date: 1978****Main research areas: fuelwood, multi-purpose trees, environment, agroforestry, silviculture, forest management****Dean: Roger Z. Guzman****PAPER INDUSTRIES CORPORATION OF THE PHILIPPINES, FOREST RESEARCH DEPARTMENT****Tabon****Bislig, Surigao del Sur**

Tel: 632-62511

Fax: 632-8175423

Telex: 24733

Number of graduate staff: 016**Establishment date: 1978****Main research areas: silviculture, soils, tree improvement, economics, protection, biometrics****Manager: Antonio V. Glori**

**TARLAC COLLEGE OF AGRICULTURE (TCA), INSTITUTE OF FORESTRY AND ENVIRONMENTAL STUDIES
Camiling, Tarlac 2306**

Tel: 216

Number of graduate staff: 018

Establishment date: 1978

Main research areas: afforestation, agroforestry, social forestry, soils, watersheds, forest policy

Director of Research and Development: Rosita Mendoza

UNIVERSITY OF EASTERN PHILIPPINES

University Town, Northern Samar
Catarman 6400

Number of graduate staff: 004

Establishment date: 1964

Main research areas: agroforestry, social forestry, conservation; horticulture, ecology, silviculture and management, nursery, non-wood forest products

Director of Research: Perfecto N. Dipon

UNIVERSITY OF THE PHILIPPINES AT LOS BANOS, COLLEGE OF FORESTRY

College, Laguna 4031

Tel: 6394-3206

Fax: 6394-3206

Telex: 4163 PTTLB PU

Number of graduate staff: 090

Establishment date: 1910

Main research areas: biology, silviculture and management, social forestry, wood technology

Chief of Research: Portia G. Lapitan

POLAND

AGRICULTURAL UNIVERSITY OF KRAKOW, DEPARTMENT OF FOREST AND WOOD UTILIZATION

ul. 29-Lipostada 46

31-425 Kraków

Tel: 119144 x.582

Fax: 336235

Telex: 322469 AR PL

Number of graduate staff: 020

Establishment date: 1963

Main research areas: harvesting, work safety, wood technology, wood processing, chemical products

Head of Department: Zenon Muszynski

AGRICULTURAL UNIVERSITY OF KRAKOW, FACULTY OF FORESTRY**al. 29 Listopada 46****31-425 Krakow**

Tel: 04812-119144

Fax: 04812-336245

Telex: 322469 AR PL

Number of graduate staff: 082**Establishment date: 1945****Main research areas: natural forests, forest health, forestry****Dean: Stefan Kowalski****AGRICULTURAL UNIVERSITY OF POZNAN, FACULTY OF FORESTRY****ul. Wojska Polskiego 28****60637 Poznan**

Tel: 4861-224581 x.128

Fax: 4861-411022/44125

Telex: 0413322 ARpl

Number of graduate staff: 075**Main research areas: botany, mensuration, economics, entomology, pathology, soils, wildlife, silviculture, engineering, mechanization, protection****Dean: Boguslaw Frizinski****AGRICULTURAL UNIVERSITY OF POZNAN, FACULTY OF WOOD TECHNOLOGY****ul. Wojska Polskiego 38/42****60637 Poznan**

Tel: 4861-224581 x.123

Fax: 4861-411022/44125

Telex: 0413322

Number of graduate staff: 102**Establishment date: 1951****Main research areas: economics, wood technology, engineering, wood processing, work safety, wood chemistry****Dean: Wlodzimierz Pradzynski****DEPARTMENT OF FOREST UTILIZATION AND ENGINEERING****26/30 Rakowiecka Street****02-528 Warsaw**

Tel: 497074

Telex: 814790 SGGW PL

Number of graduate staff: 036**Establishment date: 1920****Main research areas: forest products, work safety, harvesting****Chairman of Department: Zbigniew Laurow**

POLISH ACADEMY OF SCIENCE, INSTITUTE OF DENDROLOGY

ul. Parkowa 5
62-035 Kornik

Tel: 4861-170033/170049
Fax: 4861-170166

Number of graduate staff: 046

Establishment date: 1933

Main research areas: botany, physiology, tree improvement, ecology, seeds, forest health, arboreta, environment, genetic resources, vegetative propagation

Director: Wladyслав Bugala

RESEARCH AND DEVELOPMENT CENTRE FOR WOOD-BASED**PANELS**

ul. Mickiewicza 10
83-262 Czarna Woda

Tel: 8216
Fax: 8716
Telex: 0512470 OBR CW PL

Number of graduate staff: 020

Establishment date: 1974

Main research areas: wood technology, wood processing, environment, product development, forest products, work safety, engineering

Director-General: Piotr Ferens

THE FOREST RESEARCH INSTITUTE

ul. Bitwy Warszawskiej 1920 r. Nr 3
00-973 Warsaw

Tel: 4822-224932
Fax: 4822-224935
Telex: 812476

Number of graduate staff: 246

Establishment date: 1930

Main research areas: silviculture, environment, economics, protection, wildlife, hydrology, mechanization, non-wood forest products, biodiversity, forest health

Director-General: Andrzej Klocek

WARSAW AGRICULTURAL UNIVERSITY, FACULTY OF FORESTRY

ul. Rakowiecka 26/30
02-528 Warsaw

Tel: 4822-491179
Fax: 4822-491375
Telex: 814790 SGGW PL

Number of graduate staff: 058

Establishment date: 1816

Main research areas: forestry

Dean: Andrzej Grzywacz

WOOD TECHNOLOGY INSTITUTE

ul. Winiarska 1
60-654 Poznan

Tel: 4861-224081

Fax: 4861-224372

Telex: 0413505

Number of graduate staff: 070

Establishment date: 1952

Main research areas: wood technology, wood chemistry, wood processing, economics, product development, conservation, engineering, environment, marketing, mechanization

Director-General: E. Urbanik

PORUGAL**CELULOSE BEIRA INDUSTRIAL (CELB) S.A.**

Quinta do Furadouro
2510 Obidos

Tel: 35162-969124

Fax: 35162-969345

Number of graduate staff: 008

Establishment date: 1984

Main research areas: entomology, vegetative propagation, tree improvement

Chief of Research: Paul P. Cotterill

CENTRO DE ESTUDOS DE TECNOLOGIA FLORESTAL

Tapada da Ajuda
1300 Lisboa

Tel: 1-3634662

Number of graduate staff: 005

Establishment date: 1948

Main research areas: wood technology, wood chemistry, afforestation, multi-purpose trees

Director: Raul Manuel de Albuquerque Sardinha

DEPARTAMENTO DE ENGENHARIA FLORESTAL OF INSTITUTO

SUPERIOR DE AGRONOMIA

Tapada da Ajuda
1399 Lisboa Codex

Tel: 3511-3634667

Fax: 3511-3645000

Telex: 44700 ISATEL P

Number of graduate staff: 008

Establishment date: 1917

Main research areas: silviculture and management, mensuration, gis, wood technology, pulp and paper

Head of Department: Joao Santos Pereira

NATIONAL FOREST RESEARCH STATION, ESTACAO FLORESTAL**NACIONAL****Tapada das Necessidades****Rua do Borja, 2****1300 Lisboa**

Tel: 1-601661

Fax: 1-3973163

Number of graduate staff: 047**Establishment date: 1977****Main research areas: silviculture and management, protection, economics, forest policy, forest products****Director: Raul Manuel de Albuquerque Sardinha****NATIONAL FOREST RESEARCH STATION, FOREST PRODUCTS****TECHNOLOGY DEPARTMENT****Candido dos Reis, 56****P-2460 Alcobaca**

Tel: 35162-42315

Fax: 35162-596221

Number of graduate staff: 004**Establishment date: 1978****Main research areas: forest products, wood technology, chemical products, wood chemistry****Chief of Research: Albino de Carvalho****PORTECCEL, EMPRESA DE CELULOSE E PAPEL DE PORTUGAL S.A.****Av. Joao Crisóstomo 52-1º****1000 Lisboa**

Tel: 576020

Fax: 576599

Number of graduate staff: 008**Establishment date: 1986****Main research areas: vegetative propagation, ecology, protection, tree improvement, eucalyptus, symbiotic associations****Chief of Research: Fernando A.C. Conceição Couceiro****SOPORCEL, SOCIEDAD PORTUGUESA DE CELULOSA, S.A.****Quinta da Torre Bela****P.O. Box 15****2065 Alcoentre**

Tel: 63-44305

Fax: 63-44289

Number of graduate staff: 009**Establishment date: 1986****Main research areas: tree improvement, protection, physiology, pulp and paper, environment****Chief of Research: Cristina Marques de Almeida**

PUERTO RICO**USDA FOREST SERVICE, INSTITUTE OF TROPICAL FORESTRY****Call Box 25,000****Rio Piedras, PR 00928-2500****Tel: 809-7665335****Fax: 809-2506924****Number of graduate staff: 016****Establishment date: 1939****Main research areas: silviculture and management, watersheds, wildlife****Director: Ariel E. Lugo****ROMANIA****FOREST RESEARCH AND MANAGEMENT INSTITUTE****Bucuresti****sector 2, code 72904 OF.P. 11****Soseaua Stefanesti No. 128****Tel: 04-6556845****Number of graduate staff: 440****Main research areas: biometrics, ecology, economics, forest management, genetic resources, mechanization, mensuration, plantations, silviculture, soils****Director: Ioan Seceleanu****UNIVERSITY "TRANSILVANIA" OF BRASOV, FACULTY OF****SILVICULTURE****B-dul. Eroilor nr. 29****2200 Brasov****Tel: 4092-41580****Fax: 4092-50274****Number of graduate staff: 003****Establishment date: 1948****Main research areas: remote sensing****Pro-rector of University: Florin Andreescu****UNIVERSITY "TRANSILVANIA" OF BRASOV, FACULTY OF****SILVICULTURE AND FOREST ENGINEERING****Sirul Beethoven nr. 1****2200 Brasov****Tel: 4092-152430/143735****Number of graduate staff: 045****Establishment date: 1948****Main research areas: silviculture, forest management, ecology, genetic resources, harvesting, forest products, afforestation, biometrics, forest health, mechanization, operations research, watersheds****Dean: Jon I. Florescu**

UNIVERSITY "TRANSILVANIA" OF BRASOV, FACULTY OF
WOODWORKING INDUSTRY
1 St. Colina Universitatii/Corp L
2200 Brasov
Tel: 4092-15315
Number of graduate staff: 035
Establishment date: 1953
Main research areas: product development, wood technology,
wood processing
Dean: Victor Dogaru

RUSSIA

CENTRAL RESEARCH INSTITUTE OF FOREST GENETICS AND
BREEDING
Lomonosov str., 105
Voronezh 394043
Tel: 564189/528303
Telex: 653866 TUMAN
Number of graduate staff: 069
Establishment date: 1971
Main research areas: genetic resources, tree improvement, seeds
Director: A.I. Iroshnikov

THE RUSSIAN INSTITUTE OF FOREST SPECIALISTS EDUCATION AND
TRAINING
Pushkino, Moscow District 141200
Tel: 5843644
Fax: 4053635
Number of graduate staff: 032
Establishment date: 1962
Main research areas: economics, forestry, protection, harvesting
Rector: Petrov Anatoly P.

RWANDA

DEPARTEMENT DE FORESTERIE, INSTITUT DES SCIENCES
AGRONOMIQUES DU RWANDA (ISAR)
Boîte 617
Butare
Tel: 30642/30643
Fax: 30644
Number of graduate staff: 007
Establishment date: 1962
Main research areas: silviculture and management, agroforestry,
pathology
Chef du Département de Foresterie: Isaac Kabera

SENEGAL**DIRECTION DE RECHERCHES SUR LES PRODUCTIONS F****FORESTIERES****B.P. 2312****Dakar**

Tel: 221-323219

Fax: 221-329617

Telex: 61117SG

Number of graduate staff: 020**Establishment date: 1964****Main research areas: silviculture and management, genetic resources, agroforestry, ecology, physiology, biology****Directeur de Recherches: Pap Ndiengou Sall****UNIVERSITE CHAIKH ANTA DIOP, FACULTE DES SCIENCES ET
TECHNIQUES, INSTITUT DES SCIENCES DE L'ENVIRONNEMENT
(ISE)****Dakar**

Tel: 221-242302

Number of graduate staff: 004**Establishment date: 1978****Main research areas: botany, inventory, forest management****Director: Amadou Tidiane****SLOVAK REPUBLIC****FOREST RESEARCH INSTITUTE****T.G. Masaryka 22****960 92 Zvolen**

Tel: 0042-855-27311

Fax: 0042-855-23397

Telex: 72284-VULHZ

Number of graduate staff: 081**Establishment date: 1898****Main research areas: afforestation, environment, forest management, economics, ecology, harvesting, nursery, protection, remote sensing, silviculture****Director: Jozef Remis**

STATE FOREST PRODUCTS RESEARCH INSTITUTE

Lamacska 1
833 30 Bratislava

Tel: 427-371087
Fax: 427-372063
Telex: 09333 SDVU

Number of graduate staff: 045

Establishment date: 1940

Main research areas: wood technology, wood processing, wood chemistry, biotechnology, conservation, ecology, product development

Director: Stefan Steller

SLOVENIA**INSTITUTE FOR FOREST AND WOOD ECONOMY**

Vecna pot 2
61000 Ljubljana

Tel: 3861-268963
Fax: 3861-273589

Number of graduate staff: 034

Establishment date: 1947

Main research areas: ecology, forestry, forest health, gis, wildlife, inventory, pathology, seeds, soils, symbiotic associations

Director: Marko Kmec

SOLOMON ISLANDS**MINISTRY OF NATURAL RESOURCES , FORESTRY DIVISION, FOREST RESEARCH CENTRE**

P.O. Box 79
Munda, Western Province

Tel: 61082

Number of graduate staff: 001

Main research areas: silviculture, seeds

Senior Forest Officer (Research): Semion Iputu

SOUTH AFRICA**DIVISION OF FOREST SCIENCE AND TECHNOLOGY (FORESTEK)****CSIR****P.O. Box 395****Pretoria, 0001 RSA****Tel: 2712-8412683****Fax: 2712-8412689****Telex: 3-21312 SA****Number of graduate staff: 115****Establishment date: 1990****Main research areas: forestry, forest products, ecology, agroforestry, conservation, environment, land-use policy, remote sensing, silviculture and management, symbiotic associations, tree improvement, wood technology****Director: F.J. Kruger****INSTITUTE FOR COMMERCIAL FORESTRY RESEARCH****P.O. Box 375****Pietermaritzburg 3200****Tel: 27331-62314****Fax: 27331-68905****Number of graduate staff: 033****Establishment date: 1946****Main research areas: forestry, tree improvement, nutrition, afforestation, entomology, eucalyptus, mensuration, pathology, silviculture and management, soils, weeds****Director: Peter J.T. Roberts****SAPPI FORESTS - RESEARCH****P.O. Box 473****Howick 3290, Natal****Tel: 270332-302455****Fax: 270332-304938****Number of graduate staff: 009****Establishment date: 1985****Main research areas: tree improvement, vegetative propagation, forest management****General Manager - Research: M.J.P. Shaw**

UNIVERSITY OF STELLENBOSCH, FACULTY OF FORESTRY**Private Bag****Stellenbosch 7599**

Tel: 2231-773322

Fax: 2231-773603

Telex: SA 520383

Number of graduate staff: 030**Establishment date: 1932****Main research areas: conservation, biology, ecology, wildlife, soils, harvesting, energy, pulp and paper, wood technology****Dean: H.F. Vermaas****SPAIN****CELULOSAS DE ASTURIAS (CEASA)****Jose Lazaro Galdiano 6 1^o IZDA****28036 Madrid**

Tel: 341-4571060

Fax: 341-4587624

Number of graduate staff: 004**Establishment date: 1989****Main research areas: agroforestry, biotechnology, eucalyptus, forest management, forest statistics, multi-purpose trees, nursery, nutrition, pulp and paper****Jefe de Investigacion: Oscar Fernandez Carro****CENTRO DE INVESTIGACIONES FORESTALES****Apartado 127****36080 Pontevedra**

Tel: 986-856400

Fax: 986-856420

Number of graduate staff: 019**Establishment date: 1943****Main research areas: ecology, hydrology, silviculture, tree improvement, protection****CENTRO TECNICO DE LA MADERA DEL PAIS VASCO, S.A.****Granja Modelo Arkaute****Apartado 46****01080 Vitoria Gasteiz**

Tel: 945-281366

Fax: 945-281422

Number of graduate staff: 003**Establishment date: 1985****Main research areas: wood technology****Jefe de Investigación: Jesús M^a Eizmendi**

ESCUELA TECNICA SUPERIOR DE INGENIEROS DE MONTES

**Ciudad Universitaria, s/n
28040 Madrid**

Tel: 91-3367080

Fax: 91-3367083

Number of graduate staff: 114

Establishment date: 1848

**Main research areas: forest management, tree improvement,
hydrology, protection, wildlife, landscape architecture, wood
technology, pulp and paper**

**INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA
Y ALIMENTARIA (INIA)**

**C\ José Abascal 56
28003 Madrid**

Tel: 91-3473900

Fax: 91-4423587

Number of graduate staff: 035

Establishment date: 1971

**Main research areas: ecology, hydrology, silviculture, forest
management, tree improvement, protection, wood technology,
pulp and paper**

INSTITUTO NACIONAL PARA LA CONSERVACION DE LA

**NATURALEZA (ICONA)
Gran Vía de San Francisco, 4
28005 Madrid**

Tel: 3476000

Fax: 2658379

Number of graduate staff: 006

Establishment date: 1972

**Main research areas: protection, tree improvement, forest health
Director General: Santiago Marraco Solana**

**UNIDAD DE RECURSOS FORESTALES, SERVICIO DE INVESTIGACION
AGRARIA**

**Diputación General de Aragón
Apartado 727
50080 Zaragoza**

Tel: 976-576311

Fax: 976-575501

Number of graduate staff: 005

Establishment date: 1980

**Main research areas: tree improvement, silviculture
Head of Research: Antonio Padró**

UNIVERSITAT AUTONOMA DE BARCELONA, CENTRE DE RECERCA
ECOLOGICA I APLICACIONS FORESTALS (CREAF)

Fac. Ciencies

08193 Bellaterra (Barcelona)

Tel: 93-5811312

Fax: 93-5811321

Number of graduate staff: 012

Establishment date: 1987

Main research areas: ecology, inventory

SRI LANKA

FOREST DEPARTMENT

82, Rajamalwatte Road

Battaramulla

Tel: 941-566631/33

Fax: 941-580089

Cable: FORESTS COLOMBO

Number of graduate staff: 007

Establishment date: 1887

Main research areas: silviculture, tree improvement, agroforestry, environment, non-wood forest products, protection

Addl. Conservator of Forests (Research): K. Vivekanandan

UNIVERSITY OF PERADENIYA, FACULTY OF AGRICULTURE

Peradeniya

Tel: 941-88041

Fax: 941-32572

Number of graduate staff: 003

Establishment date: 1947

Main research areas: agroforestry, ecology, hydrology, tree improvement

Dean: H.P.M. Gunasena

SUDAN

FORESTRY RESEARCH CENTRE (SOBA)

P.O. Box 7089

Khartoum

Number of graduate staff: 027

Establishment date: 1962

Main research areas: seeds, silviculture, wood technology, botany, tree improvement, physiology, agroforestry, desertification

Director: Hassan A. Musnad

SURINAME

SURINAME FOREST SERVICE, RESEARCH DIVISION

Corn. Jongbaw Str. No. 10-15
P.O. Box 436
Paramaribo

Tel: 476118
Fax: 410256

Number of graduate staff: 003

Establishment date: 1969

Main research areas: silviculture and management

Chief of Research: Kun Ming Tjon

SWAZILAND

USUTU PULP COMPANY FOREST RESEARCH SECTION

Private Bag
Mbabane

Tel: 83248
Fax: 74434
Telex: 2003WD or 2013 WD
Cable: CARIBAEA

Number of graduate staff: 005

Establishment date: 1987

Main research areas: tree improvement, silviculture, pulp and paper

Forest Research Manager: Andrew Morris

SWEDEN

FORESTRY RESEARCH INSTITUTE

P.O. Box 1184
S-16422 Kista

Tel: 468-7507220
Fax: 468-7509677

Number of graduate staff: 060

Establishment date: 1992

Main research areas: forestry, ecology, harvesting, forest management, silviculture and management, harvesting, mechanization, nutrition, tree improvement, work safety

Managing Director: Jan Frik

INSTITUTE FOR FOREST IMPROVEMENT

P.O. Box 7007
S-750 07 Uppsala

Tel: 4618-671000
Fax: 4618-309447

Number of graduate staff: 021

Establishment date: 1966

Main research areas: tree improvement, nutrition

Director: Karl-Rune Samuelsson

LULEA UNIVERSITY, DEPARTMENT OF WOOD TECHNOLOGY

Skeria 3
S-931 87 Skellefteå

Tel: 46910-65300
Fax: 46910-65399

Number of graduate staff: 015

Establishment date: 1981

Main research areas: wood technology, wood processing

Professor: Anders Gronlund

SWEDEN UNIVERSITY OF AGRICULTURAL SCIENCE, DEPARTMENT

OF OPERATIONAL EFFICIENCY
S-770 73 Garpenberg

Tel: 46225-26000
Fax: 46225-26100
Telex: 74551

Number of graduate staff: 040

Establishment date: 1949

Main research areas: forestry

Head of department: Mårten Carlsson

SWEDISH INSTITUTE FOR WOOD TECHNOLOGY RESEARCH

(TRATEK)
P.O. Box 5609
S-114 86 Stockholm

Tel: 468-145300
Fax: 468-116188

Number of graduate staff: 085

Establishment date: 1984

Main research areas: wood technology, wood processing, product development

Managing Director: Olli Stendahl

**SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES, DEPARTMENT
OF PLANT & FOREST PROTECTION, DIVISION OF FOREST
ENTOMOLOGY**
P.O. Box 7044
S-75007 Uppsala

Tel: 4618-671000, 672331

Fax: 4618-301726

Telex: 76942 AGRUNI

Number of graduate staff: 016

Establishment date: 1915

Main research areas: entomology, protection, forest health,
conservation, ecology

Head of Division: Hubertus H. Eidmann

**SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES, FOREST
INDUSTRY MARKET STUDIES**

P.O. Box 7054

S-75007 Uppsala

Tel: 4618-671000

Fax: 4618-673522

Telex: 769 42 AGRINU S

Number of graduate staff: 027

Establishment date: 1983

Main research areas: economics, forest policy, forest products

Professor: Goran Lonner

SWITZERLAND

DEPARTMENT OF FOREST AND WOOD RESEARCH (ETH)

ETH-Zentrum

CH-8092 Zuerich

Tel: 411-2563217

Fax: 411-2520192/2614119

Telex: 817379

Number of graduate staff: 060

Establishment date: 1990

Main research areas: inventory, silviculture, pathology, botany,
engineering, wood technology, forest policy, economics,
mensuration, forest management

Director: F. Schmithuesen

INSTITUT FUE ANGEWANDTE PFLANZENBIOLOGIE

Sandgrubenstrasse 25

CH-4124 Schoenenbuch

Tel: 4161-4813224

Fax: 4161-4813436

Number of graduate staff: 008

Establishment date: 1980

Main research areas: forest health, nutrition, protection

Director: W. Flueckiger

SWISS FEDERAL INSTITUTE FOR FOREST, SNOW AND LANDSCAPE**RESEARCH****Zürcherstrasse 111****CH-8903 Birmensdorf****Tel: 0041-1-7392111****Fax: 0041-1-7392215****Telex: 827203 wsl ch****Number of graduate staff: 140****Establishment date: 1885****Main research areas: afforestation, ecology, entomology,
hydrology, pathology, landscape architecture, silviculture, soils****Director: Rodolphe Schlaepfer****TANZANIA****NATIONAL TREE SEED PROJECT****P.O. Box 4012****Morogoro****Tel: 255-056-3192/3183****Fax: 255-056/3275****Number of graduate staff: 007****Establishment date: 1989****Main research areas: seeds, tree improvement, genetic resources****Project Manager: Alfred G. Kalaghe****SOKOINE UNIVERSITY OF AGRICULTURE, FACULTY OF FORESTRY****P.O. Box 3009****Chuo Kikuu****Morogoro****Tel: 056-4648/3511****Telex: 55308 UNIVMOG TZ****Cable: UNIAGRIC****Number of graduate staff: 030****Establishment date: 1973****Main research areas: biology, botany, silviculture and
management, economics, wood technology, mensuration****Dean of Faculty: S.A.O. Chamshama**

TANZANIA FORESTRY RESEARCH INSTITUTE (TAFORI)

P.O. Box 1854
Morogoro

Tel: 25556-2861
Fax: 25556-3725
Telex: 55141 TACOTA TZ
Cable: TAFORI MOROGORO

Number of graduate staff: 024

Establishment date: 1980

Main research areas: forest products, agroforestry, arboreta, silviculture, natural forests, biodiversity, tree improvement, forest products, wood technology, fuelwood, charcoal

Director-General: Karanja K. Murira

UNIVERSITY OF DAR-ES-SALAAM, INSTITUTE OF RESOURCE

ASSESSMENT
P.O. Box 35097
Dar-es-Salaam

Tel: 010-255-051-49192
Fax: 010-255-051-49039
Telex: 41561 UNIZIP TZ
Cable: UNIVERSITY

Number of graduate staff: 019

Establishment date: 1967

Main research areas: mapping, ecology, economics

Director: Idris S. Kikuila

THAILAND**ASEAN-CANADA FOREST TREE SEED CENTRE PROJECT**

Muak-Lek
Saraburi 18180

Tel: 6636-341305
Fax: 6636-341859

Number of graduate staff: 018

Establishment date: 1981

Main research areas: seeds, tree improvement

Director: Somyos Kijkar

KASETSART UNIVERSITY, FACULTY OF FORESTRY

Phaholyothin Road
Bangkok 10903

Tel: 5790171/5790520
Fax: 5614761
Telex: 21957 RECOFTC TH

Number of graduate staff: 063

Establishment date: 1936

Main research areas: silviculture and management, biology, forest products, engineering, social forestry, watersheds

Director Forestry Research Centre: Bunvong Thaiutsa

**ROYAL FOREST DEPARTMENT, DIVISION OF SILVICULTURE,
SUBDIVISION OF SILVICULTURE RESEARCH
61 Phaholyothin Road
Chatuchak,**

Tel: 5790230/4

Fax: 5794730

Number of graduate staff: 096

Main research areas: silviculture

Director, Division of Silviculture

**ROYAL FOREST DEPARTMENT, FOREST PRODUCTS RESEARCH &
DEVELOPMENT DIVISION
61 Phaholyothin Road
Chatuchak, Bangkok 10900**

Tel: 5791537/5794844

Fax: 5798611

Number of graduate staff: 055

Establishment date: 1934

Main research areas: wood technology, wood processing, wood chemistry, energy, non-wood forest products,

Director (Acting): Wanida Subasennee

**ROYAL FOREST DEPARTMENT, FOREST PRODUCTS RESEARCH
DIVISION
61 Phaholyothin Road
Chatuchak, Bangkok 10900**

Tel: 5795412

Fax: 5798611

Number of graduate staff: 054

Establishment date: 1935

Main research areas: forest products

Director: Somsak Patanaprapapan

**ROYAL FOREST DEPARTMENT, PLANNING DIVISION, FOREST
ECONOMICS SUBDIVISION
61 Paholyothin Road
Chatuchak, Bangkok 10900**

Tel: 5794291

Number of graduate staff: 010

Establishment date: 1972

Main research areas: economics

Chief, Forest Economics Subdivision, Planning Division: Chavalit Urapeepatanapong

ROYAL FOREST DEPARTMENT, WATERSHED MANAGEMENT**DIVISION****Phaholyothin Road****Chatuchak, Bangkok 10900****Tel: 662-5797587****Fax: 662-5792811****Number of graduate staff: 030****Establishment date: 1975****Main research areas: watersheds, hydrology****Chief: Anan Nalampoon****TUNISIA****INSTITUT DES REGIONS ARIDES****4119 Medenine****Tel: 216-5-40661****Fax: 216-5-40435****Number of graduate staff: 025****Establishment date: 1976****Main research areas: desertification, agriculture, ecology, genetic resources, livestock management, mapping, product development, remote sensing, seeds, soils****Directeur: Noureddine Akrame****INSTITUT NATIONAL DE RECHERCHES FORESTIERES****B.P. 2****2080 Ariana****Tel: 2161-230014,230420****Fax: 2161-750557****Number of graduate staff: 010****Establishment date: 1967****Main research areas: forestry, conservation****Directeur: M. Mohamed Dahman****INSTITUT SYLVO-PASTORAL****8110 Tabarka****Tel: 8-44542****Number of graduate staff: 007****Establishment date: 1970****Main research areas: silviculture, ecology, forest products, biometeorology****Directeur: Hasnaoui Brahim**

TURKEY**FOREST RESEARCH INSTITUTE (ORMANCILIK ARASTIRMA****ENSTITUSU)****P.K. 24, Bahcelievler****06501 Ankara****Tel: 904-2131734****Fax: 904-2122944****Number of graduate staff: 094****Establishment date: 1955****Main research areas: forestry, forest products****Director: Yasar Simsek****KARADENIZ TECHNICAL UNIVERSITY, FACULTY OF FORESTRY****Ktu Orman Facultesi****61080 Trabzon****Tel: 903-153169****Fax: 903-153205****Telex: 83110 KTU****Number of graduate staff: 074****Establishment date: 1971****Main research areas: silviculture and management, conservation, ecology, forestry, protection, wood technology, wood processing, pulp and paper, forest products****Dean: Yalcin Ors****POPLAR AND FAST-GROWING FOREST TREES RESEARCH****INSTITUTE****P.K. 93 Izmit****41001 Kocaeli****Tel: 9021-111878/110036****Fax: 9021-112282****Number of graduate staff: 036****Establishment date: 1962****Main research areas: silviculture, poplar, eucalyptus, afforestation, nursery, mechanization, genetic resources, soils****Director: Celal Ayik****UNIVERSITY OF ISTANBUL, FACULTY OF FORESTRY****Orman Fakultesi****Bahcekoy 80895,****Istanbul****Tel: 1-1261100/12****Fax: 1-1261113****Number of graduate staff: 100****Establishment date: 1857****Main research areas: forestry, forest products, landscape architecture****Dean: Necolet Ozyuuaci**

UGANDA**FOREST RESEARCH CENTRE****PO Box 1752****Kampala****Tel:** 259626**Number of graduate staff:** 021**Establishment date:** 1954**Main research areas:** agroforestry, silviculture, tree improvement, forest products, protection, environment**Director:** Matthew Oloya**UNITED KINGDOM****BUILDING RESEARCH ESTABLISHMENT****Garston, Watford****Herts WD2 7JR****Tel:** 923-894040**Fax:** 923-664785**Telex:** 923220**Number of graduate staff:** 390**Establishment date:** 1921**Main research areas:** wood technology, product development, forest products, protection, wood processing**CAB INTERNATIONAL****Wallingford****Oxon. OX10 8DE****Tel:** 44491-32111**Fax:** 44491-33508**Telex:** 847964 COMAGG G**Number of graduate staff:** 090**Establishment date:** 1930**Main research areas:** protection, entomology, pathology**Director Scientific Services:** R.J. Williams**DEPARTMENT OF AGRICULTURE****Newforge Lane****Belfast B59 5PX****Northern Ireland****Tel:** 232-661166**Fax:** 232-669551**Number of graduate staff:** 271**Establishment date:** 1920**Main research areas:** agriculture, soils, agroforestry, hydrology**Chief Scientific Officer:** C.H. McMurray

**DEPARTMENT OF AGRICULTURE, NORTHERN IRELAND FOREST
SERVICE RESEARCH BRANCH**

Dundonald House
Upper Newtownards Road
Belfast BT4 3SB
Northern Ireland Tel: 232-661166
Fax: 232-669551

Number of graduate staff: 007
Establishment date: 1958
Main research areas: silviculture, nutrition, agroforestry,
vegetative propagation, pathology
Chief Forest Officer: Cecil H. McMurray

FORESTRY COMMISSION, FOREST RESEARCH STATION

Alice Holt Lodge
Wrecclesham, Farnham
Surrey GU10 4LH
Tel: 420-22255
Fax: 420-23653

Number of graduate staff: 060
Establishment date: 1946
Main research areas: silviculture, physiology, tree improvement,
protection, wildlife, mensuration, seeds, forest products
Director Research: David A. Burdekin

**INSTITUTE OF TERRESTRIAL ECOLOGY, EDINBURGH RESEARCH
STATION**

Bush Estate, Penicuik
Midlothian EH26 0QB
Scotland
Tel: 31-4454343
Fax: 31-4453943
Telex: 72579

Number of graduate staff: 035
Establishment date: 1974
Main research areas: forestry, ecology, biometeorology
Head of Station: M.G.R. Connell

**INSTITUTE OF TERRESTRIAL ECOLOGY, MERLEWOOD RESEARCH
STATION**

Grange-over-Sands
Cumbria LA11 6JU
Tel: 5395-32264
Fax: 5395-34705
Telex: 65102 MERITE

Number of graduate staff: 040
Establishment date: 1914
Main research areas: nutrition, soils, ecology, land-use policy,
environment
Head of Station: M. Hornung

MACAULAY LAND USE RESEARCH INSTITUTE

Craigiebuckler
Aberdeen AB9 2QJ
Scotland

Tel: 224-318611
Fax: 224-311556

Number of graduate staff: 120

Establishment date: 1987

Main research areas: physiology, agroforestry, silviculture and management, hydrology, mensuration, economics, environment

Director: T.J. Maxwell

NATURAL RESOURCES INSTITUTE, FORESTRY PROGRAMME & FOREST PRODUCTS PROGRAMME

Central Avenue
Chatham Maritime
Kent ME4 4TB

Tel: 44634-880088
Fax: 44634-880066
Telex: 263907/8 LDN G
Cable: NRI CHATHAM

Number of graduate staff: 034

Establishment date: 1880

Main research areas: silviculture and management, non-wood forest products, energy, agroforestry, social forestry, environment, economics

Director: A. Beattie

OXFORD FORESTRY INSTITUTE

South Parks Road
Oxford OX1 3RB

Tel: 865-275000
Fax: 865-275074
Telex: 83147 VIA FOROX

Number of graduate staff: 035

Establishment date: 1905

Main research areas: genetic resources, silviculture, pathology, social forestry, ecology, wood processing

Director: J. Burley

ROYAL BOTANIC GARDENS

RBG, Kew
Richmond
Surrey TW93AB

Tel: 081-9401171
Fax: 081-9484237
Telex: 296694 KEWGAR

Number of graduate staff: 120

Establishment date: 1842

Main research areas: biodiversity, conservation, botany, seeds,
horticulture, inventory, genetic resources, biotechnology,
entomology, mapping

Director: Ghillean Prance

SHELL RESEARCH LTD., SITTINGBOURNE RESEARCH CENTRE

Broad Oak Road
Sittingbourne
Kent ME9 8AG

Tel: 795-424444
Fax: 795-475652
Telex: 96181

Number of graduate staff: 005

Establishment date: 1984

Main research areas: biotechnology, vegetative propagation

Director: H.C. Volger

THE FORESTRY AUTHORITY, RESEARCH DIVISION, NORTHERN

RESEARCH STATION

Roslin
Midlothian EH25 9SY

Tel: 31-4452176
Fax: 31-4455124

Number of graduate staff: 037

Establishment date: 1970

Main research areas: protection, tree improvement, physiology,
silviculture, wildlife, conservation, forest statistics,
biodiversity, biometeorology, forest health, hydrology

Chief Research Officer: T.C. Booth

TIMBER RESEARCH AND DEVELOPMENT ASSOCIATION

Stocking Lane
Hughenden Valley
High Wycombe
Bucks HP14 4ND

Tel: 0494-563091
Fax: 0494-565487
Telex: 83292 TRADA G

Number of graduate staff: 032

Establishment date: 1934

Main research areas: wood processing, wood technology, forest products, marketing, work safety, environment, engineering, product development, eucalyptus

Chief Executive: C.J. Gill

UNIVERSITY COLLEGE OF NORTH WALES, INSTITUTE OF**TERRESTRIAL ECOLOGY, BANGOR RESEARCH UNIT**

Orton Building Deiniol RD.

Bangor, Gwynedd
Wales, LL 2VP

Tel: 44-248-370045
Fax: 44-248-355365

Number of graduate staff: 012

Establishment date: 1974

Main research areas: agroforestry, conservation, ecology, harvesting, hydrology, soils, watersheds

Head of Unit: Jeg Good

UNIVERSITY OF ABERDEEN, DEPARTMENT OF FORESTRY

St Machar Drive
Aberdeen, AB9 2UD
Scotland

Tel: 224-272677
Fax: 224-272685
Telex: 73458 UNIABN G

Number of graduate staff: 022

Establishment date: 1914

Main research areas: harvesting, energy, tree improvement, biotechnology, wood technology, economics, forest management, protection

Professor and Head of Department: Hugh G. Miller

UNIVERSITY OF ABERDEEN, DEPARTMENT OF PLANT AND SOIL SCIENCE
Meston Building
Aberdeen AB9 2UE
Scotland

Tel: 224-272257
Fax: 224-272268
Telex: 73458 UNIABN G

Number of graduate staff: 028

Establishment date: 1860

Main research areas: ecology, forest health, soils, symbiotic associations, nutrition, environment

Head of Department: I.J. Alexander

UNIVERSITY OF EDINBURGH, SCHOOL OF FORESTRY, INSTITUTE OF ECOLOGY & RESOURCE MANAGEMENT
Darwin Building, Mayfield Road
Edinburgh EH9 3JU
Scotland

Tel: 31-6505430
Fax: 31-6620478
Telex: 727442 (UNIVED G)

Number of graduate staff: 030

Establishment date: 1889

Main research areas: physiology, silviculture and management, nutrition, economics, agroforestry, ecology, hydrology, tree improvement, multi-purpose trees, conservation

Professor: P.G. Jarvis

UNIVERSITY OF WALES, SCHOOL OF AGRICULTURAL AND FOREST SCIENCES
Bangor
Gwynedd LL75 2UW

Tel: 248-351151
Fax: 248-354997

Number of graduate staff: 063

Establishment date: 1904

Main research areas: agriculture, agroforestry, ecology, forestry, gis, wood technology, soils, forest products, economics

Head of School: J.B. Owen

UNIVERSITY OF PORTSMOUTH, SCHOOL OF BIOLOGICAL SCIENCES**King Henry I Street****Portsmouth****Hants PO1 2DY****Tel: 705-842035****Fax: 705-842070****Number of graduate staff: 083****Establishment date: 1968****Main research areas: protection, biology, entomology, pathology, pests, protection****Head of School: R.C. Reay****UNITED STATES OF AMERICA****AUBURN UNIVERSITY, SCHOOL OF FORESTRY****Auburn, AL 36849-5418****Tel: 205-8441007****Fax: 205-8441084****Number of graduate staff: 034****Establishment date: 1946****Main research areas: biology, biometrics, economics, engineering, forest products, wood technology****Dean: Emmett Thompson****CALIFORNIA CEDAR PRODUCTS COMPANY, RESEARCH****DEPARTMENT****P.O. Box 8449****Stockton, CA 95208****Tel: 209-9312448****Fax: 209-9316922****Number of graduate staff: 025****Establishment date: 1947****Main research areas: wood technology, wood processing****Vice-President, Manufacturing & Research: Charles P.****Berolzheimer****CLEMSON UNIVERSITY, DEPARTMENT OF FOREST RESOURCES****261 Lehotsky Hall****Clemson, SC 29634-1003****Tel: 803-6563302****Fax: 803-6563304****Number of graduate staff: 036****Establishment date: 1893****Main research areas: biology, forestry, forest products****Department Head: William A. Leuschner**

COLORADO STATE UNIVERSITY, DEPARTMENT OF FOREST SCIENCES**Ft. Collins, CO 80523**

Tel: 303-4916911

Fax: 303-4916754

Number of graduate staff: 016**Establishment date: 1879****Main research areas: economics, forest policy, biology, ecology, remote sensing, biometrics, forest management, forest products****Head: A.A. Dyer****FOREST HISTORY SOCIETY****701 Vickers Avenue****Durham, NC 27701**

Tel: 919-6829319

Number of graduate staff: 003**Establishment date: 1946****Main research areas: history, conservation****Executive Director: Harold K. Steen****HARVARD UNIVERSITY, HARVARD FOREST****P.O. Box 68, Route 32****Petersham, MA 01366-0068**

Tel: 508-7243302

Fax: 508-7243595

Number of graduate staff: 007**Establishment date: 1907****Main research areas: ecology, soils, physiology, history****Director: David R. Foster****IOWA STATE UNIVERSITY, DEPARTMENT OF FORESTRY****251 Bessey Hall****Ames, IA 50011-1021**

Tel: 515-2941166

Fax: 515-2941337

Number of graduate staff: 010**Establishment date: 1904****Main research areas: biology, economics, biometrics, forest products, agroforestry, forest management****Chairman, Department of Forestry: Steven E. Jungst**

ITT RAYONIER, INC., FOREST RESEARCH CENTER**P.O. Box 819****Yulee, FL 32097**

Tel: 904-2255393

Fax: 904-2250370

Number of graduate staff: 006**Establishment date: 1954****Main research areas: tree improvement, silviculture and management, biometrics, nutrition, soils****Research Manager: Marshall Jacobson****LOUISIANA STATE UNIVERSITY, SCHOOL OF FORESTRY, WILDLIFE AND FISHERIES****Baton Rouge, LA 70803**

Tel: 504-3884131

Fax: 504-3884227

Number of graduate staff: 044**Establishment date: 1925****Main research areas: silviculture, physiology, ecology, mensuration, wood technology, genetic resources****Director: Stanley B. Carpenter****MICHIGAN TECHNOLOGICAL UNIVERSITY, SCHOOL OF FORESTRY AND WOOD PRODUCTS****Houghton, MI 49931**

Tel: 906-4872454

Fax: 906-4872311

Number of graduate staff: 035**Establishment date: 1936****Main research areas: silviculture, soils, ecology, wood technology, wood processing, wood chemistry, remote sensing****Dean: W.E. Frayer****MISSISSIPPI STATE UNIVERSITY, SCHOOL OF FOREST RESOURCES****Drawer FR****Mississippi State, MS 39762**

Tel: 601-3252952

Fax: 601-3258726

Number of graduate staff: 052**Establishment date: 1954****Main research areas: forestry, forest products, wildlife, forest management, silviculture and management, harvesting, wood chemistry, wood processing, tree improvement, mensuration****Dean: Warren S. Thompson**

NATIONAL PARK SERVICE, ALASKA REGIONAL OFFICE**2525 Gambell Street****Anchorage, AK 99503-2892**

Tel: 907-2572564

Fax: 907-2572510

Number of graduate staff: 004**Establishment date: 1980****Main research areas: remote sensing, GIS, natural forests****Chief: Gary Ahlstrand****NATIONAL PARK SERVICE, SOUTH-EAST REGION****75 Spring St. SW****Atlanta, GA 30303**

Tel: 404-3314916

Fax: 404-3314943

Number of graduate staff: 015**Establishment date: 1916****Main research areas: forest health, wildlife, fire****Chief Scientist: F. Dominic Dottavio****NATIONAL RESEARCH COUNCIL****2101 Constitution Avenue., NW****Washington, DC 20418**

Tel: 202-3342692

Fax: 202-3342660

Number of graduate staff: 003**Establishment date: 1864****Main research areas: botany, silviculture****Contact person: Noel D. Vietmeyer****OHIO STATE UNIVERSITY, SCHOOL OF NATURAL RESOURCES****210 Kottman Hall****Columbus, OH 43210**

Tel: 614-2922265

Fax: 614-2927432

Number of graduate staff: 030**Establishment date: 1870****Main research areas: genetic resources, urban forestry, ecology, agroforestry, GIS, soils, forest products, silviculture and management****Director: Mohan K. Wali**

**OREGON STATE UNIVERSITY, COLLEGE OF FORESTRY AND FOREST
RESEARCH LABORATORY**

150 Peavy Hall

Corvallis, Oregon 97331-5704

Tel: 503-7372221

Fax: 503-7372668

Number of graduate staff: 100

Establishment date: 1941

**Main research areas: forest management, biology, engineering,
economics, forest policy, forest products, social forestry**

Dean: George W. Brown

ORGANIZATION FOR TROPICAL STUDIES

P.O. Box DM

Duke Station

Durham, NC 27706

Tel: 919-6845774

Fax: 919-6845661

Number of graduate staff: 005

Establishment date: 1963

Coordinator of Research

PENNSYLVANIA STATE UNIVERSITY, SCHOOL OF FOREST

RESOURCES

113 Ferguson Building

University Park, PA 16802

Tel: 814-8647541

Fax: 814-8653725

Number of graduate staff: 034

Establishment date: 1903

**Main research areas: forest management, biology, ecology,
watersheds, wood technology, wildlife**

Director: Alfred D. Sullivan

PURDUE UNIVERSITY, DEPARTMENT OF FORESTRY & NATURAL

RESOURCES

1159 Forestry Building

West Lafayette, IN 47907-1159

Tel: 317-4943591

Fax: 317-4940409

Number of graduate staff: 024

Establishment date: 1914

**Main research areas: biology, ecology, wood technology, wildlife,
forest management**

Head of Department: Dennis C. Le Master

**RESOURCES FOR THE FUTURE (FOREST ECONOMICS AND POLICY
PROGRAM)**

**1616 P Street, N.W.
Washington, DC 20036**

**Tel: 202-3285000
Fax: 202-9393460
Cable: RESOURCE**

Number of graduate staff: 003

Establishment date: 1952

**Main research areas: economics, forest products, environment,
forest management**

Director Forest Research: Roger A. Sedjo

SAN DIMAS TECHNOLOGY AND DEVELOPMENT CENTER

**444 East Bonita Avenue
San Dimas, CA 91773**

**Tel: 714-5991267
Fax: 714-5922309**

Number of graduate staff: 017

Establishment date: 1945

Main research areas: harvesting

Manager: Dick Silberberger

SOUTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF FORESTRY

Carbondale, IL 62901

**Tel: 618-4533341
Fax: 618-4531178**

Number of graduate staff: 011

Establishment date: 1960

**Main research areas: forest management, forest products,
marketing, ecology, hydrology**

Head of Department: Dwight R. McCurdy

STEPHEN F. AUSTIN STATE UNIVERSITY, COLLEGE OF FORESTRY

PO Box 6109

SFA Station

Nacogdoches, TX 75962-6109

**Tel: 409-5683301
Fax: 409-5682489**

Number of graduate staff: 018

Establishment date: 1923

**Main research areas: wildlife, entomology, product development,
hydrology, physiology, fire, botany, silviculture and management**

Dean: R. Scott Beasley

**TEXAS A&M UNIVERSITY, INSTITUTE OF RENEWABLE NATURAL
RESOURCES, FOREST SCIENCE DEPARTMENT**
College Station, TX 77843-2135
Tel: 409-8455033
Fax: 409-8456049
Number of graduate staff: 038
Establishment date: 1876
Main research areas: agroforestry, remote sensing, land-use
policy, tree improvement, soils, silviculture, forest health, ecology
Department Head: Richard F. Fisher

TEXAS FOREST PRODUCTS LABORATORY
PO Box 310
Lufkin, TX 75902-0310
Tel: 409-6398180
Fax: 409-6398185
Number of graduate staff: 005
Establishment date: 1936
Main research areas: forest products, product development, wood
processing
Department Head: Dewayne Weldon

**UNIVERSITY OF ALASKA FAIRBANKS, SCHOOL OF AGRICULTURE &
LAND RESOURCES MANAGEMENT, AGRICULTURAL AND
FORESTRY EXPERIMENT STATION**
172 AHRB
Fairbanks, AK 99775-0100
Tel: 907-4747083
Fax: 907-4747439
Number of graduate staff: 049
Establishment date: 1906
Main research areas: agriculture, forestry
Director of Station: James V. Drew

**UNIVERSITY OF ARKANSAS AT MONTICELLO, DEPARTMENT OF
FOREST RESOURCES**
P.O. Box 3468
Monticello, AR 71655
Tel: 501-4601052
Fax: 501-4601092
Number of graduate staff: 020
Establishment date: 1909
Main research areas: hydrology, silviculture, economics, ecology,
soils, botany, wildlife, biometrics, forest management, pests
Head of Department ad interim: Edwin R. Lawson

UNIVERSITY OF CALIFORNIA AT BERKELEY, DEPARTMENT OF
FORESTRY & RESOURCE MANAGEMENT
145 Mulford Hall
Berkeley, CA 94720

Tel: 510-6420376
Fax: 510-6435438

Number of graduate staff: 062

Establishment date: 1914

Main research areas: silviculture and management, agroforestry, forest policy, biodiversity, forest products, land-use policy, livestock management, remote sensing, wildlife

Chair: John A. Helms

UNIVERSITY OF CALIFORNIA, AGRICULTURAL ENGINEERING

DEPARTMENT

Davis, CA 95616

Tel: 916-7526210
Fax: 916-7522640

Number of graduate staff: 005

Establishment date: 1889

Main research areas: engineering, harvesting, work safety, energy, plantations, mechanization

Chairman of Department: Henry Studer

UNIVERSITY OF FLORIDA, SCHOOL OF FOREST RESOURCES AND
CONSERVATION

118 Newins-Ziegler Hall
Gainesville, FL 32611-0301

Tel: 904-3921791
Fax: 904-3921707

Number of graduate staff: 050

Main research areas: biology, biotechnology, economics, agroforestry, wildlife, forest products

UNIVERSITY OF GEORGIA, D.B. WARRELL SCHOOL OF FOREST
RESOURCES

Athens, GA 30602

Tel: 404-5422686
Fax: 404-5428356

Number of graduate staff: 045

Establishment date: 1906

Main research areas: biology, biometrics, forest products, economics, forest policy, wildlife, forest management

Dean: Arnett C. Mace, Jr.

UNIVERSITY OF KENTUCKY, DEPARTMENT OF FORESTRY**Lexington, KY 40546-0073****Tel: 606-2577596****Fax: 606-2581031****Number of graduate staff: 022****Establishment date: 1969****Main research areas: biometrics, economics, ecology, soils, hydrology, physiology, tree improvement, wildlife, wood technology, product development****Chair: Robert N. Muller****UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF FORESTRY****AND WILDLIFE MANAGEMENT****Amherst****Holdsworth Natural Resources Center****MA 01003-0130****Tel: 413-5452665****Fax: 413-5454358****Number of graduate staff: 25****Establishment date: 1863****Main research areas: forestry, wildlife, wood technology, remote sensing, biodiversity, ecology, economics, mapping****UNIVERSITY OF MICHIGAN, SCHOOL OF NATURAL RESOURCES****430 E. University****Ann Arbor, MI 48109-1115****Tel: 313-7646453****Fax: 313-9362195****Number of graduate staff: 040****Establishment date: 1927****Main research areas: ecology, agroforestry, protection, conservation, biology, watersheds, remote sensing, forest policy, urban forestry****Dean, School of Natural Resources****UNIVERSITY OF MINNESOTA, COLLEGE OF NATURAL RESOURCES****2003 Upper Buford Circle****St. Paul, MN 55108-1030****Tel: 612-6241234****Fax: 612-6248701****Number of graduate staff: 057****Establishment date: 1903****Main research areas: biology, forest products, pulp and paper, wildlife, conservation, forest management****Dean: Richard A. Skok**

UNIVERSITY OF MISSOURI, SCHOOL OF NATURAL RESOURCES**1-30 Agriculture Building****Columbia, MO 65211**

Tel: 314-8826446

Fax: 314-8821977

Number of graduate staff: 040**Establishment date: 1912****Main research areas: agroforestry, wildlife, soils, biometeorology, urban forestry, silviculture and management, biometrics, gis, hydrology, ecology****Director: Albert R. Vogt****UNIVERSITY OF NEW HAMPSHIRE, DEPARTMENT OF NATURAL RESOURCES****215 James Hall****Durham, NH 03824**

Tel: 603-8621020

Fax: 603-8624976

Number of graduate staff: 022**Establishment date: 1923****Main research areas: economics, ecology, remote sensing, genetic resources, conservation, mensuration, wildlife, silviculture and management****Chair: William Mautz****UNIVERSITY OF TENNESSEE, DEPARTMENT OF FORESTRY,****WILDLIFE & FISHERIES****Knoxville, TN 37901-1071**

Tel: 615-9747126

Fax: 615-9742765

Number of graduate staff: 020**Establishment date: 1964****Main research areas: genetic resources, forest products, silviculture and management, biometrics, economics, wildlife****Head of Department: George T. Weaver****UNIVERSITY OF VERMONT, SCHOOL OF NATURAL RESOURCES****George D. Aiken Center****Burlington, VT 05405**

Tel: 802-6564280

Fax: 802-6568683

Number of graduate staff: 034**Establishment date: 1973****Main research areas: ecology, biology, forest management****Dean: Lawrence K. Forcier**

**UNIVERSITY OF WASHINGTON, COLLEGE OF FOREST RESOURCES
Seattle, WA 98195**

Tel: 206-5432730

Fax: 206-6850790

Number of graduate staff: 058

Main research areas: ecology, wildlife, social forestry, forest management, urban forestry, engineering, wood technology, pulp and paper

Dean: David B. Thorud

**UNIVERSITY OF WISCONSIN - STEVENS POINT, COLLEGE OF
NATURAL RESOURCES
Stevens Point, WI 54481**

Tel: 715-3462853

Fax: 715-3463624

Establishment date: 1894

Main research areas: forest management, silviculture, forest products, urban forestry

Associate Dean: Richard Wilke

**US ENVIRONMENTAL PROTECTION AGENCY, ENVIRONMENTAL
RESEARCH LABORATORY
200 SW 35th Street
Corvallis, OR 97331**

Tel: 503-7544772

Fax: 503-7544799

Number of graduate staff: 320

Main research areas: ecology, environment, watersheds, biometeorology, biotechnology, soils, afforestation

**US NATIONAL ARBORETUM
3501 New York Ave. NE
Washington, DC 20002**

Tel: 202-4754815

Fax: 202-4755252

Number of graduate staff: 011

Establishment date: 1927

Main research areas: arboreta, botany, tree improvement

Research Director: Alden Townsend

USDA EXTENSION SERVICE AND ITS COOPERATORS IN STATE**LAND-GRANT UNIVERSITIES****3909 South Building****Natural Resources and Rural Development****Washington, DC 20250-0900****Tel: 202-7207947****Fax: 202-6904869****Number of graduate staff: 300****Establishment date: 1914****Main research areas: forestry, forest products****Administrator: Myron D. Johns Rud****USDA FOREST SERVICE, FOREST PRODUCTS LABORATORY****One Gifford Pinchot Drive****Madison, WI 53705-2393****Tel: 608-2319200****Fax: 608-2319592****Telex: 7400032****Number of graduate staff: 130****Establishment date: 1910****Main research areas: product development, wood processing, pulp and paper, marketing, engineering, energy, protection, wood chemistry, wood technology, biotechnology****Director: John R. Erickson****USDA FOREST SERVICE, INTERMOUNTAIN FOREST & RANGE****EXPERIMENT STATION****324 25th Street****Ogden, UT 84401****Tel: 801-6255431****Fax: 801-6255129****Number of graduate staff: 151****Establishment date: 1891****Main research areas: ecology, hydrology, tree improvement, fire, silviculture and management, protection, botany, engineering, economics****Director: Laurence E. Lassen****USDA FOREST SERVICE, INTERMOUNTAIN FOREST & RANGE****EXPERIMENT STATION, INTERMOUNTAIN FIRE SCIENCES****LABORATORY****P.O. Box 8089****Missoula, MT 59807****Tel: 406-3294820****Fax: 406-3294863****Number of graduate staff: 020****Main research areas: livestock management, fire**

USDA FOREST SERVICE, NORTH CENTRAL FOREST EXPERIMENT STATION

**1992 Folwell Avenue
St. Paul, MN 55108**

**Tel: 612-6495000
Fax: 612-6495285**

Number of graduate staff: 080

Establishment date: 1966

Main research areas: forest management, protection, genetic resources, biotechnology, harvesting, economics, wildlife, ecology

Director: Ronald D. Lindmark

USDA FOREST SERVICE, NORTH CENTRAL FOREST EXPERIMENT STATION, FORESTRY SCIENCES LABORATORY

**Southern Illinois University
Carbondale, IL 62901**

**Tel: 618-4532318
Fax: 618-4532911**

Number of graduate staff: 004

Establishment date: 1946

Main research areas: physiology, tree improvement, wood processing

Project Leader: J.W. Van Sambeek

USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT STATION

**5 Radnor Corporate Center
P.O. Box 6775, Suite 200
Radnor, PA 19087-4585**

**Tel: 215-9754017
Fax: 215-9754200**

Number of graduate staff: 170

Establishment date: 1923

Main research areas: forest management, wildlife, watersheds, protection, forest products, harvesting, economics, urban forestry

Acting Director: Richard W. Guldin

USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT STATION, CENTER FOR BIOLOGICAL CONTROL OF NORTHEASTERN FOREST INSECTS & DISEASES

**51 Mill Pond Rd
Hamden, CT 06514**

**Tel: 203-7732035
Fax: 203-7732183**

Number of graduate staff: 015

Main research areas: protection, entomology, pathology

Director's representative: Philip M. Wargo

USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY
P.O. Box 968
Burlington, VT 05402

Tel: 802-9516771
Fax: 802-9516368

Number of graduate staff: 012

Establishment date: 1956

Main research areas: silviculture, ecology, economics, physiology,
social forestry

Director's Representative: Paul E. Sendak

USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY
P.O. Box 928
Warren, PA 16365

Tel: 814-5637587

Number of graduate staff: 006

Establishment date: 1929

Main research areas: forest health, forest management,
economics

Director's Representative: Susan Stout

USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY
180 Canfield Street
Morgantown, WV 26505

Tel: 304-2851600
Fax: 304-2851505

Number of graduate staff: 008

Establishment date: 1965

Main research areas: entomology, harvesting, operations research

Director's Representative: Kurt W. Gottschalk

USDA FOREST SERVICE, PACIFIC NORTHWEST FOREST & RANGE
EXPERIMENT STATION, FORESTRY AND RANGE SCIENCES
LABORATORY
1401 Gekeler Lane
La Grande, OR 97850

Tel: 503-9637122
Fax: 503-9638704

Number of graduate staff: 018

Establishment date: 1970

Main research areas: wildlife, entomology, pathology

Chief: Jack Ward Thomas

USDA FOREST SERVICE, PACIFIC NORTHWEST RESEARCH STATION**P.O. Box 3890****Portland, OR 97208**

Tel: 503-3265640

Number of graduate staff: 150**Establishment date: 1910****Main research areas: forestry, inventory, ecology, silviculture and management, tree improvement, protection, economics, hydrology****Station Director: Charles W. Philpot****USDA FOREST SERVICE, PACIFIC NORTHWEST RESEARCH****STATION, FORESTRY SCIENCES LABORATORY****3200 SW Jefferson Way****Corvallis, OR 97331**

Tel: 503-7507250

Fax: 503-7507329

Number of graduate staff: 030**Establishment date: 1962****Main research areas: ecology, forest management, environment, economics, protection****Station Leadership Team Representative: David V. Sandberg****USDA FOREST SERVICE, PACIFIC NORTHWEST RESEARCH****STATION, FORESTRY SCIENCES LABORATORY****1133 N. Western Avenue****Wenatchee, WA 98801**

Tel: 509-6624315

Fax: 509-6642742

Number of graduate staff: 005**Establishment date: 1954****Main research areas: forest management, conservation, forest health****Station Director: Charles W. Philpot****USDA FOREST SERVICE, PACIFIC SOUTHWEST STATION, REDDING****SILVICULTURE LABORATORY****2400 Washington Avenue****Redding, CA 96001**

Tel: 916-2465455

Fax: 916-2465045

Number of graduate staff: 017**Main research areas: silviculture and management, mensuration, GIS****Program Manager: Philip S. Aune**

USDA FOREST SERVICE, ROCKY MOUNTAIN FOREST & RANGE
EXPERIMENT STATION
240 W. Prospect Road
Fort Collins, CO 80526

Tel: 303-4981100
Fax: 303-4981010

Number of graduate staff: 067

Establishment date: 1935

Main research areas: ecology, forestry, wildlife, hydrology,
biometeorology, economics

Director: Denver P. Burns

USDA FOREST SERVICE, ROCKY MOUNTAIN FOREST & RANGE
EXPERIMENT STATION, FORESTRY SCIENCES LABORATORY
2205 Columbia SE
Albuquerque, NM 87106

Tel: 505-7662384
Fax: 505-7661046

Number of graduate staff: 008

Establishment date: 1956

Main research areas: ecology, afforestation, watersheds

Project Leader: Earl F. Aldon

USDA FOREST SERVICE, ROCKY MOUNTAIN FOREST & RANGE
EXPERIMENTAL STATION, CENTER FOR SEMI-ARID
AGROFORESTRY
East Campus - University of NE

Lincoln, NE 68583-0822

Tel: 402-4375178
Fax: 402-4375712

Number of graduate staff: 007

Establishment date: 1953

Main research areas: forest health, agroforestry, tree

improvement, biotechnology, entomology, physiology

Project Leader: Michele M. Schoeneberger

USDA FOREST SERVICE, ROCKY MOUNTAINS FOREST & RANGE
EXPERIMENT STATION
700 South Pine Knoll Drive
Flagstaff, AZ 86001

Tel: 602-5567315
Fax: 602-7792689

Number of graduate staff: 020

Establishment date: 1908

Main research areas: physiology, entomology, silviculture,
watersheds, wildlife, hydrology

Director's Representative: Leonard F. De Bano

USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT**STATION****P.O. Box 2680****Asheville, NC 28802****Tel: 704-2574300****Fax: 704-2574840****Number of graduate staff: 107****Establishment date: 1921****Main research areas: forest products, forest management,
protection, conservation, watersheds, genetic resources, wildlife,
biometeorology****Director:****USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT****STATION, CENTER FOR FORESTED WETLANDS RESEARCH****2730 Savannah Hwy****Charleston, SC 29414****Tel: 803-7274271****Fax: 803-7274152****Number of graduate staff: 005****Establishment date: 1897****Main research areas: physiology, silviculture, forest management****Deputy Chief for Research: Jerry Sesco****USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT****STATION, FORESTRY SCIENCES LABORATORY****P.O. Box 70****Olustee, FL 32072****Tel: 904-7520331****Fax: 904-7527437****Number of graduate staff: 004****Establishment date: 1932****Main research areas: protection****Head of Research: Jerry Sesco****USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT****STATION, FORESTRY SCIENCES LABORATORY****320 Green Street****Athens, GA 30602-2044****Tel: 706-5462435****Fax: 706-5462143****Number of graduate staff: 005****Establishment date: 1990****Main research areas: nursery, symbiotic associations****Institute Director: Donald H. Marx**

**USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT
STATION, PRIMARY HARDWOOD PROCESSING & PRODUCTS
RESEARCH PROJECT**

**Brooks Forest Products Center
Virginia Technical University
Blacksburg, VA 24061-0503**

**Tel: 703-2314016
Fax: 703-2318868**

Number of graduate staff: 003

Establishment date: 1987

Main research areas: wood processing, wood technology, product development

Project Leader: Philip A. Araman

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT STATION

**Rm 10210
US Postal Services Bldg.
701 Loyola Avenue
New Orleans, LA 70113**

**Tel: 504-5896787
Fax: 504-5893961**

Number of graduate staff: 071

Establishment date: 1921

Main research areas: forest management, protection, hydrology, biotechnology, economics, seeds, inventory, wildlife, harvesting, forest products, forest statistics

Director: Thomas H. Ellis

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT

**STATION, ENGINEERING RESEARCH UNIT
DeVall Drive
Auburn, AL 36849**

**Tel: 205-8268700
Fax: 205-8210037**

Number of graduate staff: 004

Establishment date: 1962

Main research areas: harvesting, work safety, silviculture

Project Leader: Bryce J. Stokes

**USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, FOREST HYDROLOGY LABORATORY**

**P.O. Box 947
Oxford, MS 38655**

**Tel: 601-2342744
Fax: 601-2348318**

Number of graduate staff: 014

Establishment date: 1977

Main research areas: hydrology, watersheds

Project Leader: Jack B. Waide

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY
P.O. Box 906
Starkville, MS 39759

Tel: 601-3238162
Fax: 601-3238162
Telex: RWU 403:S30L01 A

Number of graduate staff: 004

Establishment date: 1966

Main research areas: seeds

Project Leader: Frank Bonner

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, SOUTHERN HARDWOODS LABORATORY
P.O. Box 227
Stoneville, MS 38776

Tel: 601-6867218
Fax: 601-6862696

Number of graduate staff: 010

Establishment date: 1945

Main research areas: forestry, protection

Director: Thomas Ellis

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, WILDLIFE HABITAT & SILVICULTURAL LABORATORY
Box 7600 SFA Station
Nacogdoches, TX 75962

Tel: 409-5697981
Fax: 409-5699681

Number of graduate staff: 009

Establishment date: 1945

Main research areas: silviculture and management, ecology,
wildlife

Project Leader: Ronald E. Thill

URUGUAY

UNIVERSIDAD DE LA REPUBLICA FACULTAD DE AGRONOMIA,
DEPARTAMENTO FORESTAL
Avenida Garzon 780
C.P.12900 Montevideo

Tel: 97191
Fax: 5982393004

Number of graduate staff: 010

Establishment date: 1963

Main research areas: silviculture and management, wood
technology

Directora: Marta Bianchi

VENEZUELA

CORP. VENEZUELA, PRODUCTOS FORESTALES DE ORIENTE C.A.

CENTRO DE INVESTIGACION FORESTAL

Centro Comercial Caura, local S9-A

Alta Vista

Guayana, Bolívar

Tel: 87-91694

Fax: 87-91694

Number of graduate staff: 012

Establishment date: 1988

**Main research areas: silviculture, tree improvement, soils,
biometeorology, protection**

Gerente de Investigación: Marina Acosta de Hurtado

**DIRECCION GENERAL SECTORIAL DE INVESTIGACION Y
CONSERVACION DE AGUA, SUELO Y VEGETACION**

Tel: 2-4081824/4081862

Fax: 2-5450607

Telex: 28475 VEN

Number of graduate staff: 006

Establishment date: 1977

Main research areas: ecology, seeds

Delfina Rodríguez

INSTITUTO FORESTAL LATINOAMERICANO (IFLA)

Núcleo Forestal

Via Chorros de Milla, Edif. IFLA

Apartado 36

Merida

Tel: 74-440535

Fax: 74-448906

Telex: 74104 CIDIA VC

Number of graduate staff: 004

Establishment date: 1956

Main research areas: forestry, forest products, watersheds

Jefe de Investigación: Judith Petit Aldana

**UNIVERSIDAD DE LOS ANDES, FACULTAD DE CIENCIAS
FORESTALES, CENTRO DE ESTUDIOS FORESTALES DE**

POSTGRADO

Via Chorros de Milla

Mérida

Tel: 74-401517

Fax: 74-401503

Number of graduate staff: 060

Establishment date: 1970

Main research areas: forestry, forest products, watersheds

Director: Edgar Hernández Becerra

UNIVERSIDAD DE LOS ANDES, INSTITUTO DE SILVICULTURA

Via Chorros de Milla
Merida

Tel: 74-401580, 401581
Fax: 74-401503

Number of graduate staff: 010

Establishment date: 1960

Main research areas: silviculture and management, protection,
genetic resources, ecology

Director: Luis E Yegres

VIET NAM**FOREST SCIENCE INSTITUTE OF VIETNAM**

Chèm, Tù liêm
Hanoi

Tel: 84 43 45721
84 43 44031
Fax: 84 43 45722

Number of graduate staff: 340

Establishment date: 1961

Main areas of research: forestry, forest products, economics

Director: Vu Biêt Linh

ZAIRE**CENTRE D'ADAPTATION DES TECHNIQUES ENERGIE-BOIS (CATEB)**

35 Avenue de Flambeau
B.P. 11.596
Kinshasa I

Tel: 27936

Number of graduate staff: 006

Establishment date: 1983

Main research areas: energy, fuelwood, wood processing

Directeur: Djengo Bosulu

ZAMBIA**DIVISION OF FOREST RESEARCH**

P.O. Box 22099
Kitwe

Tel: 260-2-220456
Fax: 260-2-224110
Telex: 52051 ZA

Number of graduate staff: 006

Establishment date: 1956

Main research areas: silviculture, botany, ecology, tree
improvement, protection, mensuration

Chief Forest Research Officer: F. M. Malaya

**FOREST DEPARTMENT, DIVISION OF FOREST PRODUCTS
RESEARCH
P.O. Box 20388
Kitwe**
Tel: 260-2-218108
Number of graduate staff: 004
Establishment date: 1962
Main research areas: wood technology, non-wood forest products, wood processing, engineering
Chief Forest Products Research Officer: Progress M. Sekeli

**MISAMFU REGIONAL RESEARCH STATION, SOIL PRODUCTIVITY
RESEARCH PROGRAMME
P.O. Box 410055
Kasama**
Tel: 4-221773
Fax: 4-221555
Telex: ZA 64070
Number of graduate staff: 009
Establishment date: 1983
Main research areas: agroforestry, soils
Chief Agricultural Research Officer: Mr. Kaliangile

**NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH, TREE
IMPROVEMENT RESEARCH CENTRE
P.O. Box 21210
Kitwe**
Tel: 226734
Number of graduate staff: 006
Establishment date: 1966
Main research areas: tree improvement, biotechnology
Head: C.K. Mwamba

ZIMBABWE

**FORESTRY COMMISSION, RESEARCH & DEVELOPMENT DIVISION,
FOREST RESEARCH CENTRE
P.O. Box HG 595
Highlands, Harare**
Tel: 263-4-46878/9
Fax: 263-4-47066
Telex: 48323 FORCOM ZW
Number of graduate staff: 019
Establishment date: 1948
Main research areas: tree improvement, silviculture, seeds, biometrics, agroforestry, protection, mapping, social forestry, pathology, entomology, natural forests
Manager: D.P. Gwaze

DIRECTORY OF FORESTRY RESEARCH ORGANIZATIONS

Questionnaire

Country:

Name of Organization:

Address:

Telephone:

(please include country and area codes)

Fax:

Telex:

Cable:

Number of staff who have university degrees:

Year of establishment:

Main research areas (select up to 10 items from list provided):

Designation of head of organization:

Name of head of organization:

Name and designation of person filling this form

Please return this form to: Mr. F.S.P. Ng
Chief, Forest Research Education and
Training Branch
FAO
Via delle Terme di Caracalla
00100 Rome, Italy

LIST OF RESEARCH AREAS

afforestation	mapping
agriculture	marketing
agroforestry	mechanization
arboreta	mensuration
biodiversity	microbiology
biometeorology	multi-purpose trees
biometrics	natural forests
biotechnology	non-wood forest
botany	products
charcoal	nursery
chemical products	nutrition
conservation	operations research
desertification	pathology
ecology	pests
economics	physiology
ecophysiology	plantations
energy	poplar
engineering	product development
entomology	protection
environment	pulp and paper
eucalyptus	remote sensing
fire	seeds
forest health	silviculture
forest management	silviculture and management
forest policy	social forestry
forest products	soils
forest statistics	symbiotic associations
forestry	tree improvement
fuelwood	urban forestry
genetic resources	vegetative propagation
geographic information systems (GIS)	watersheds
harvesting	weeds
history	wildlife
horticulture	wood chemistry
hydrology	wood processing
inventory	wood quality
land-use policy	wood technology
landscape architecture	work safety
livestock management	zoology

FAO FORESTRY PAPERS

1	Forest utilization contracts on public land, 1977 (E F S)	30	Tropical forest resources, 1982 (E F S)
2	Planning forest roads and harvesting systems, 1977 (E F S)	31	Appropriate technology in forestry, 1982 (E)
2		32	Classification and definitions of forest products, 1982 (Ar/E/F/S)
3	World list of forestry schools, 1977 (E/F/S)	33	Logging of mountain forests, 1982 (E F S)
3 Rev.	1 World list of forestry schools, 1981 (E/F/S)	34	Fruit-bearing forest trees, 1982 (E F S)
3 Rev.	2 World list of forestry schools, 1986 (E/F/S)	35	Forestry in China, 1982 (C E)
4/1	World pulp and paper demand, supply and trade - Vol. 1, 1977 (E F S)	36	Basic technology in forest operations, 1982 (E F S)
4/2	World pulp and paper demand, supply and trade - Vol. 2, 1977 (E F S)	37	Conservation and development of tropical forest resources, 1982 (E F S)
5	The marketing of tropical wood, 1978 (E S)	38	Forest products prices 1962-1981, 1982 (E/F/S)
6	National parks planning, 1978 (E F S**)	39	Frame saw manual, 1982 (E)
7	Forestry for local community development, 1978 (Ar E F S)	40	Circular saw manual, 1983 (E)
8	Establishment techniques for forest plantations, 1978 (Ar C E* F S)	41	Simple technologies for charcoal making, 1983 (E F S)
9	Wood chips - production, handling, transport, 1976 (C E S)	42	Fuelwood supplies in the developing countries, 1983 (Ar E F S)
10/1	Assessment of logging costs from forest inventories in the tropics - 1. Principles and methodology, 1978 (E F S)	44/1	Forest revenue systems in developing countries, 1983 (E F S)
10/2	Assessment of logging costs from forest inventories in the tropics - 2 Data collection and calculations, 1978 (E F S)	44/2	Food and fruit-bearing forest species - 1. Examples from eastern Africa, 1983 (E F S)
11	Savanna afforestation in Africa, 1977 (E F)	44/3	Food and fruit-bearing forest species - 2 Examples from southeastern Asia, 1984 (E F S)
12	China: forestry support for agriculture, 1978 (E)	45	Food and fruit-bearing forest species - 3 Examples from Latin America, 1986 (E S)
13	Forest products prices 1960-1977, 1979 (E/F/S)	46	Establishing pulp and paper mills, 1983 (E)
14	Mountain forest roads and harvesting, 1979 (E)	47	Forest products prices 1963-1982, 1983 (E/F/S)
14 Rev	1 Logging and transport in steep terrain, 1985 (E)	48	Technical forestry education - design and implementation, 1984 (E F S)
15	AGRIS forestry - world catalogue of information and documentation services, 1979 (E/F/S)	49	Land evaluation for forestry, 1984 (C E F S)
16	China integrated wood processing industries, 1979 (E F S)	50	Wood extraction with oxen and agricultural tractors, 1986 (E F S)
17	Economic analysis of forestry projects, 1979 (E F S)	50/1	Changes in shifting cultivation in Africa, 1984 (E F)
17 Sup	1 Economic analysis of forestry projects case studies, 1979 (E S)	51/1	Changes in shifting cultivation in Africa - seven case-studies, 1985 (E)
17 Sup	2 Economic analysis of forestry projects readings, 1980 (C E)	52/1	Studies on the volume and yield of tropical forest stands - 1 Dry forest formations, 1989 (E F)
18	Forest products prices 1960-1978, 1980 (E/F/S)	52/2	Cost estimating in sawmilling industries guidelines, 1984 (E)
19/1	Pulping and paper-making properties of fast-growing plantation wood species - Vol. 1, 1980 (E)	53	Field manual on cost estimation in sawmilling industries, 1985 (E)
19/2	Pulping and paper-making properties of fast-growing plantation wood species - Vol. 2, 1980 (E)	54	Intensive multiple-use forest management in Kerala, 1984 (E F S)
20	Forest tree improvement, 1985 (C E F S)	55	Planificación del desarrollo forestal, 1984 (S)
20/2	A guide to forest seed handling, 1985 (E S)	56	Intensive multiple-use forest management in the tropics, 1985 (E F S)
21	Impact on soils of fast-growing species in lowland humid tropics, 1980 (E F S)	57	Breeding poplars for disease resistance, 1985 (E)
22/1	Forest volume estimation and yield prediction - Vol 1 Volume estimation, 1980 (C E F S)	58	Coconut wood - processing and use, 1985 (E S)
22/2	Forest volume estimation and yield prediction - Vol 2 Yield prediction, 1980 (C E F S)	59	Sawdoctoring manual, 1985 (E S)
23	Forest products prices 1961-1980, 1981 (E/F/S)	60	The ecological effects of eucalyptus, 1985 (C E F S)
24	Cable logging systems, 1981 (C E)	61	Monitoring and evaluation of participatory forestry projects, 1985 (E F S)
25	Public forestry administrations in Latin America, 1981 (E)	62	Forest products prices 1965-1984, 1985 (E/F/S)
26	Forestry and rural development, 1981 (E F S)	63	World list of institutions engaged in forestry and forest products research, 1985 (E/F/S)
27	Manual of forest inventory, 1981 (E F)	64	Industrial charcoal making, 1985 (E)
28	Small and medium sawmills in developing countries, 1981 (E S)	65	Tree growing by rural people, 1985 (Ar E F S)
29	World forest products, demand and supply 1990 and 2000, 1982 (E F S)	66	Forest legislation in selected African countries, 1986 (E F)
		67	Forestry extension organization, 1986 (C E S)
		68	Some medicinal forest plants of Africa and Latin America, 1986 (E)
			Appropriate forest industries, 1986 (E)

70	Wildland fire management terminology, 1986 (E/F/S)	93	Energy conservation in the mechanical forest industries, 1990 (E S)
71	World compendium of forestry and forest products research institutions, 1986 (E/F/S)	94	Manual on sawmill operational maintenance, 1990 (E)
72	Wood gas as engine fuel, 1986 (E S)	95	Forest products prices 1969-1988, 1990 (E/F/S)
73	Forest products world outlook projections 1985-2000, 1986 (E/F/S)	96	Planning and managing forestry research guidelines for managers, 1990 (E)
74	Guidelines for forestry information processing, 1986 (E)	97	Non-wood forest products the way ahead, 1991 (E S)
75	An operational guide to the monitoring and evaluation of social forestry in India, 1986 (E)	98	Timber plantations in the humid tropics of Africa, 1993 (E F)
76	Wood preservation manual, 1986 (E)	99	Cost control in forest harvesting and road construction, 1992 (E)
77	Databook on endangered tree and shrub species and provenances, 1986 (E)	100	Introduction to ergonomics in forestry in developing countries, 1992 (E)
78	Appropriate wood harvesting in plantation forests, 1987 (E)	101	Management and conservation of closed forests in tropical America, 1993 (E F S)
79	Small-scale forest-based processing enterprises, 1987 (E F S)	102	Research management in forestry, 1991 (E)
80	Forestry extension methods, 1987 (E)	103	Mixed and pure forest plantations in the tropics and subtropics, 1992 (E)
81	Guidelines for forest policy formulation, 1987 (C E)	104	Forest products prices 1971-1990, 1992 (E)
82	Forest products prices 1967-1986, 1988 (E/F/S)	105	Compendium of pulp and paper training and research institutions, 1992 (E)
83	Trade in forest products a study of the barriers faced by the developing countries, 1988 (E)	106	Economic assessment of forestry project impacts, 1992 (E)
84	Forest products world outlook projections 1987-2000 - product and country tables, 1988 (E/F/S)	107	Conservation of genetic resources in tropical forest management Principles and concepts, 1993 (E)
85	Forestry extension curricula, 1988 (E/F/S)	108	A decade of wood energy activities within the Nairobi Programme of Action, 1993 (E)
86	Forestry policies in Europe, 1988 (E)	109	Directory of forestry research organizations, 1993 (E)
87	Small-scale harvesting operations of wood and non-wood forest products involving rural people, 1988 (E F S)		
88	Management of tropical moist forests in Africa, 1989 (E F P)		
89	Review of forest management systems of tropical Asia, 1989 (E)		
90	Forestry and food security, 1989 (Ar E S)		
91	Design manual on basic wood harvesting technology, 1989 (E F S) (Published only as FAO Training Series, No 18)		

Availability June 1993

Ar	-	Arabic	Multil	- Multilingual
C	-	Chinese	*	Out of print
E	-	English	**	In preparation
F	-	French		
P	-	Portuguese		
S	-	Spanish		

The FAO Technical Papers are available through the authorized FAO Sales Agents or directly from Distribution and Sales Section, FAO, Viale delle Terme di Caracalla, 00100 Rome, Italy

